



CONTINUING CONTRACTS FOR SURVEY & MAPPING SERVICES

E-RFP NO. 20230097

SEPTEMBER 22, 2023



PREPARED FOR
The City of Port St. Lucie

PREPARED BY
KEITH



CITY OF PORT ST. LUCIE
E-RFP #20230097
CONTINUING CONTRACTS FOR SURVEYING AND
MAPPING

SEPTEMBER 22, 2023

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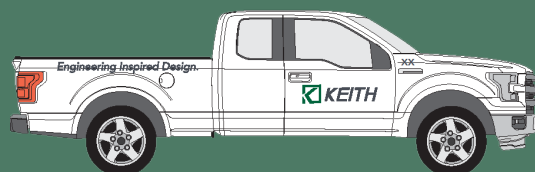
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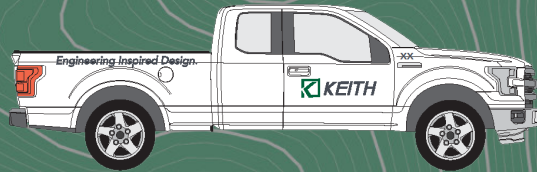
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TAB 1

Firm Qualifications





City of Port Saint Lucie

RFQ#20230097

Request for Qualifications for Continuing Contracts For Survey & Mapping Services

September 22, 2023

Dear Selection Committee Members,

It is with great pleasure that Keith and Associates, Inc., dba KEITH, provides the City of Port St. Lucie ("the City") our submittal for your **Continuing Contracts for Survey and Mapping - RFQ 20230097**. The City is the largest municipality in St. Lucie County, covering nearly 120 square miles adjoining South Florida's coast and serving the needs of more than 500,000 residents. The City's Strategic Plan vision focuses on Seven Goals that strive to deliver safety, connectivity, diversity, culture and government performance to your residents and visitors. For nearly five decades, KEITH has supported Florida's local governments with multi-disciplined consulting services that directly align with these core values. We are excited to bring our passion, commitment, and expertise to the City on this critical contract for Surveying and Mapping Services.

With 40 municipal parks, an evolving and vibrant Downtown District, City operated marina and golf facilities, and transportation infrastructure that must be upgraded and maintained to support a connected and inclusive community, your infrastructure needs are diverse and challenging. As a coastal community lying at an average elevation of nine feet above sea level, the impacts of climate change and sea level rise are seen and felt by your residents directly. Over the potential five-year service period of this contract, you'll need a proactive, experienced, and innovative geospatial and surveying consultant to support City staff as you address these challenges.

As one of the veteran trans-disciplinary consulting firms in the community, KEITH is extremely qualified to meet your needs in this regard. **Throughout KEITH's history, we have been awarded over 100 continuing service contracts with local and State governmental agencies across Florida as a prime and sub-consultant.** This wide-ranging experience has provided our team with a comprehensive understanding of the infrastructure and planning support needs of municipalities like yours. From your foundational redevelopment initiatives at City Center, East Lake Village and Southern Grove, to your transportation and mobility connectedness objectives, to your public health and safety focus, our innovative and cost-conscious surveying and geospatial solutions will drive value on any of the wide variety of projects we may be tasked to support over the course of this contract.

Our experience with continuing services contracts of nearly identical nature to the current solicitation provides the City with a Team that will hit the ground running. Our partnering approach focuses on building and maintaining long term relationships with City staff and stakeholders. Moreover, our superior service and team commitment has led to multiple repeat selections by these agencies. We were recently awarded our third consecutive continuing engineering support contract with Broward County Aviation Division, our third consecutive surveying and mapping contract with the South Florida Water Management District, and our third consecutive surveying & mapping contract with FDOT District 6. As you'll see, KEITH is a local and woman-owned business that punches well outside its weight class.

KEITH's family ownership has proudly called Florida home for over sixty years, providing transportation engineering, planning, civil engineering, surveying, landscape architecture, and construction management services. Our involvement in the community extends well beyond our various professions, as we are active in various organizations on a philanthropic and community support level. This support is witnessed in the time, talent, and treasure that KEITH continues to give back to South Florida communities. This contract will be serviced and administered from our Port St. Lucie office location

at 6913 LTC Parkway, only 20 minutes from your office. This proximity allows our team to simply “stop by” to discuss upcoming assignments or ongoing work with city staff and stakeholders as needed. **Our Project Manager, Luis Santaliz, PSM**, as well as his technical and administrative support team are residents of the City and therefore invested in the successful outcome of the projects we’ll support over the course of this contract.

We understand that surveying and mapping is an intensely local profession, requiring specific knowledge and experience in a region to ensure the appropriate sources of project information are reviewed and exploited to achieve a correct project outcome in the shortest possible time. These include publicly available documents such as certified corner records, plats and legal documents, city as-builts or utility permits, but also may include records from local private sector surveyors that practice throughout your jurisdiction. Our leadership roles in the Florida Surveying and Mapping Society and our commitment to the surveying profession have led to strong relationships with surveyors of all practice specialties throughout Florida, including many of those that call the City home. Our experience throughout St. Lucie County, combined with our specific discipline knowledge and extensive support of municipalities with needs similar to your own, translates into an absolute minimal learning curve which can save the City precious resources, including time and money. Our Team’s leading-edge technical resources, including mobile LiDAR, UAS-airborne LiDAR, and unmanned hydrographic survey systems will drive additional quality and value into each assignment we receive. Our firm was founded by a Professional Surveyor and Mapper, is led by a Professional Surveyor and Mapper, and is committed to remaining at the absolute forefront of the Surveying and Mapping industry as it continues to evolve.

The team of professionals at KEITH bring decades of experience with an emphasis on government, multi-tasked contracts, providing the leadership to effectively execute this continuing services contract and exceed your expectations. **We bring to you the personal commitment of ourselves, our firm, and our long-standing reputation of accountability and excellence with municipalities and agencies throughout Florida.** I am confident in our proposed team, and we will commit to execute every assignment to your satisfaction by bringing an excess of experience, expertise, and the resources to perform any scoped assignment, without exception. Finally, I bring you my personal commitment as CEO and the principal owner of the firm to become your “go-to” consultant for surveying and mapping services now and in the future.



Best Regards,

DODIE KEITH-LAZOWICK, PLS
 CEO and Principal-in-Charge
 6913 NW LTC Parkway
 Port Saint Lucie, FL 34986
 772.405.3959
 DKeith@KEITHteam.com

For more than six decades, KEITH has been providing geospatial and design solutions throughout the State of Florida, the Caribbean, and beyond. Our firm was built on the basic principle of serving as an advocate for the communities in which we build, we live, and we give back to. As a trans-disciplinary firm, KEITH provides creative solutions to each project and the communities in which they serve. The firm provides resilient and sustainable design solutions for municipal agencies, private clients, and the Florida Department of Transportation.

As a mid-size close-knit firm of over 190 professionals, **KEITH provides surveying and mapping, subsurface utility engineering, planning, civil engineering, transportation engineering, landscape architecture, and construction management services.** KEITH has collaborated with more than 100 municipalities throughout Florida. Through our work, we create the stage for everyday moments; expected and unexpected. Our holistic development solutions carefully blend technical expertise with creative problem-solving; a rightand left-brained approach, or what we call *Engineering Inspired Design*.

KEITH engages as an extension of our clients, with an analytical lens and a goal to resolve development issues in a collaborative way; one that goes beyond the disciplines we provide. KEITH takes what might be considered mundane and transforms it by considering it through our

unique lens, reshaping each project so that it's more than just functional, it's sustainable.

Looking toward the future is best done with a sound knowledge of the past. Through founder Bill Keith's leadership, years of discipline and hard work, Bill was able to pass forward a growing enterprise to his daughter, our CEO, Dodie Keith-Lazowick, PLS. And in turn, KEITH has grown into a third generation of talent with our President, Alex Lazowick, PE, PMP, ENV SP. KEITH, constantly building upon our history, stands today as a trans-disciplinary powerhouse shaping communities across Florida and beyond with state-of-the-art and sustainable solutions to address all of the needs of our clients.

KEITH OFFICES

**913 NW LTC Parkway
Port Saint Lucie, FL 34986
(772) 405.3959**

301 East Atlantic Boulevard
Pompano Beach, FL 33060
(954) 788.3400

2312 South Andrews Avenue
Fort Lauderdale, FL 33316
(954) 788.3400

701 Northpoint Parkway, Suite 218
West Palm Beach, FL 33407
(561) 469.0992

5805 Blue Lagoon Drive, Suite 218
Miami, FL 33126
(954) 788.3400

5950 Hazeltine National Drive, Suite 660
Orlando, FL 32822
(407) 278.6286

A TRANS-DISCIPLINARY APPROACH

KEITH is a rare gem. Each of its facets, the many disciplines we provide under one roof, is another unique benefit to our clients. All these professional disciplines are offered as an in-house service every day to you. We pride ourselves on the ability to work with municipalities, government agencies, and other



consultants while providing close coordination with our clients. Having access to our own in-house, multi-disciplined team means we often solve problems within our own walls. Opportunities to confer interdepartmentally are indispensable. They give us insight to the biggest picture often resulting in the saving of time and budget resources.

GEOSPATIAL SERVICES

Surveying and mapping is a service that KEITH has offered its clients since its inception in 1998 and continues to be the foundation of our firm’s portfolio of services. Although we have grown (technology resources and personnel), we have never lost our focus on the personal touch and customer services that our Founder, Bill Keith, was known for. KEITH has worked on thousands of surveying projects in South Florida over the last two decades. The Team has worked through a complexity of schedules, budgets, and programs to ensure the success of these projects is maintained. The KEITH Team has the blend of experiences to handle every aspect of the projects’ needs from start to finish.

Our vision remains laser-focused on maintaining our status as an industry leader in the comprehensive aspects that encompass the modern geospatial and surveying field. Surveying is no longer the simple science of manual measurement by angles and distances but, now encompasses a suite of complex data collection and analysis tools that must be related by knowledgeable professionals in the practice of modeling built and unbuilt environments. Further, these environments are not limited to upland locations and now include the subsurface, aerial, and underwater realms. Unmanned aerial systems (UAS) and autonomous hydrographic survey platforms have evolved also as valuable tools in the geospatial toolkit. KEITH continually invests in the leading-edge equipment and software that drive safety, efficiency, and quality into our surveying and mapping project deliverables.

Under the leadership and guidance of the Vice President of Geospatial Services and our Deputy Project Manager, Sam Hall, PSM, team members

are continuously trained to implement innovative approaches and tools that allow efficient and safe data collection in any potential environment. By leveraging a comprehensive perspective and tremendous direct experience, the City will be assured that our recommendations on technology approaches will yield a “best value” deliverable to the specific assignment regardless of scope, location, or scale.

Finally, we recognize that the ability to self-perform specialized roadway data collection using mobile mapping, conduct any ASCE 38-02 quality level subsurface utility investigation, provide hydrographic surveys or UAS mapping assignments streamlining the project process, reduce coordination requirements, and provide sole source accountability for schedule and quality. KEITH brings this comprehensive ability to perform any potential assignment to the City. Our specific experience with each of these specialized service areas is summarized below.

Terrestrial Mobile LiDAR (TML): KEITH strives to improve safety, enhance mobility, and inspire innovation on each task. KEITH owns and maintains the Leica Pegasus 2: Ultimate TML sensor. This sensor is capable of delivering 2mm horizontal and 15mm vertical absolute RMS accuracies when calibrated to ground control targets - a critical necessity in meeting “design level” accuracies on South Florida’s notoriously flat roadways. Data is collected at posted speed, greatly increasing efficiencies and providing dense LiDAR datasets that can be revisited for future use. The 360° “ladybug” imaging system provides 98% of a full sphere with “measure-in-image” coverage for asset collection, pavement assessment, ADA evaluation, and other potential tasks. Combined with the expertise of our TML team, this sensor provides the complete capability to rapidly deliver any potential TML assignment supporting transportation engineering design or as-builts, deformation monitoring, planning, asset collection, or corridor study.

Subsurface Utility Engineering (SUE) Surveys: The upcoming five years will be transformative for the Subsurface Utility Engineering (SUE) industry and South Florida municipal utility owners.

KEITH's SUE Team is focused on the underground utility needs of our clients. In the past ten years alone, we have completed more than 2,000 successful underground utility detection and locating assignments at all existing ASCE CI/38-02 quality levels, including designation (CI/ASCE 38-02 Level B) of more than 2,000 line miles of existing utility facilities and more than 4,000 utility test holes and "soft digs" (CI/38-02 Level A). The KEITH SUE Team brings the extensive knowledge and solutions-oriented experience the City will need to address and eliminate utility concerns in the design phase, well ahead of construction.

Hydrographic Surveys: KEITH is now on our third-consecutive continuing contract with the South Florida Water Management District, whose mission is to manage and protect the water resources of the region and improve water quality for current and future generations. A central aspect of this mission is the design and maintenance of South Florida's canal and water control systems. As their consultant, we have provided extensive hydrographic surveying services utilizing a variety of manned and unmanned hydrographic survey vessels, as well as single-beam and multibeam sensors for nearshore waterbody modeling. Hydrographic datasets are merged with upland surveys to provide a comprehensive picture of the site or canal topography both above and below the waterline.

UAS-based Aerial Mapping: UAS or aerial drone technology is taking many industries by storm. The widespread implementation of these aerial platforms is changing everything, from the way we view sports or advertising to the ways we collect survey data and imagery. KEITH recognized the impact this tool may have on the surveying and mapping industry in 2014 and has continually made investments to remain at the forefront since then. We have multiple FAA Part 107 certified UAS pilots, and our software suite allows us to provide a wide range of deliverables. From 3D georeferenced imagery to design-level survey data, to facility surveys, a UAS approach can yield cost savings while enhancing safety and schedule when implemented on the right projects.



ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
 Continuing Contracts for Survey & Mapping Services (Port St. Lucie, FL)

2. PUBLIC NOTICE DATE
 08/30/2023

3. SOLICITATION OR PROJECT NUMBER
 20230097

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE
 Dodie Keith-Lazowick, PLS, CEO

5. NAME OF FIRM
 KEITH

6. TELEPHONE NUMBER
 772-405-3959

7. FAX NUMBER
 N/A

8. E-MAIL ADDRESS
 marketing@KEITHteam.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	<i>(Check)</i>			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	JV	PARTNER SUBCON- TRACTOR			
a.	<input checked="" type="checkbox"/>			Keith and Associates, Inc., dba KEITH <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	6913 NW LTC Parkway Port Saint Lucie, FL 34986	Survey
b.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)



SAM HALL, PSM
DEPUTY PROJECT MANAGER
/ QA/QC MANAGER



DODIE KEITH-LAZOWICK, PLS
PRINCIPAL-IN-CHARGE



LUIS SANTALIZ, PSM
PROJECT MANAGER

GEOSPATIAL SERVICES

ERIC WILHJELM, PSM
SURVEYOR - ROADWAY

ANDREW HUNTER
SURVEY TECHNICIAN III

JOE SAMBERG, SIT
LAND SURVEYOR IN TRAINING

DONALD BITTNER, JR.
SURVEY TECHNICIAN III

ZOE HOLDEN, SIT
LAND SURVEYOR IN TRAINING

ANDREW CAMPBELL
SURVEY TECHNICIAN III

**SUBSURFACE UTILITY
ENGINEERING**

MARK MITCHELL
DIRECTOR OF SUBSURFACE
UTILITY ENGINEERING

SEAN HALSEY
SUBSURFACE UTILITY
ENGINEER

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete one Section E for each key person.)

12. NAME Dodie Keith-Lazowick, PLS	13. ROLE IN THIS CONTRACT Principal-in-Charge	14. YEARS OF EXPERIENCE	
		a. TOTAL 41 years	b. WITH CURRENT FIRM 17 years

15. FIRM NAME AND LOCATION (City and State)
KEITH, Port St. Lucie, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Land Surveying, University of Florida 1982	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) LS4105, Professional Surveyor and Mapper, Florida
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Florida Survey and Mapping Society (FSMS) Member; Florida Survey and Mapping Society (FSMS) Broward County Chapter Member; National Society of Professional Surveyors (NSPS) Member; Pompano Beach Economic Development Council Member; Broward Workshop Member

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Broward College North Campus Survey (Coconut Creek, Florida)	2019 - 2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal-in-Charge. KEITH is tasked with updating existing surveys and bringing them survey up to Broward College's current standards and requirements for Land Surveys. This includes reviewing the entire site and adding all new improvements not currently shown on the existing survey and reviewing the provided AutoCAD file to update all layers, blocks, etc. to the Standard layers and blocks provided by Broward College. KEITH is also reviewing the existing AutoCAD file for inconsistencies in linework, layer assignments, etc. In addition, KEITH is also locating, typing, and sizing all trees on the North Campus and adding them to the Boundary Survey.		
b.	City of Deerfield Beach Miscellaneous Engineering, Planning & Surveying Services (Deerfield Beach, Florida)	2015 - 2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal-in-Charge. KEITH served as the General Engineering Consultant (GEC) for the City of Deerfield Beach for more than 16 years. KEITH provided ongoing continuing services, including engineering, surveying, and mapping services, as well as plan review services. Some projects provided under these contracts include Mayo Howard Park Surveys; Paradise Point Engineering Design Surveys; Encroachment Exhibits Survey; and Deer Run Parkway Boundary Survey.		
c.	City of Parkland GIS Services (Parkland, Florida)	2015 - 2019	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal-in-Charge. KEITH was responsible for creating updated GIS maps of the existing City of Parkland GIS database combined with the recently annexed parcels. KEITH created new Future Land Use, Zoning and Street Maps. We have also updated the GIS database for changes in Future Land Use and Zoning. We created display exhibits including the City Limits on top of the most recent Broward County aerials. All deliverables were updates to the City's GIS Database, maps saved in PDF format and hard copy exhibits. KEITH is intimately familiar with the limits of the City of Parkland as well as the "Wedge" and other annexation processes. We have mapped the existing parcels as well as most of the parcels annexed. As a longtime resident of the City of Parkland, Ms. Dodie Keith-Lazowick recognizes the importance of proper future planning of the "Wedge" in her community. She personally prepared the original City Base Maps and was part of the team who created the original Comprehensive Plan for the City of Parkland in the 80's and would be proud to serve the City for the overall advancement of Parkland.		
d.	City of Pompano Beach Surveying, Civil Engineering, and Landscape Architecture Continuing Services (Pompano Beach, Florida)	2002 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal-in-Charge. KEITH is providing general engineering services to the City on an as-needed basis on this ongoing continuing services contract. Some projects provided under this contract include South Cypress Road and SE 15th Court Intersection Design Survey; SE 13th Street Force Main Design Survey; SR A1A Survey and Subsurface Utility Engineering Services from Hillsboro Boulevard to Terra Mar Drive; Permanent Emergency Generators Design Survey for City Hall and Public Safety Building; Santa Barbara Reuse Water Line Expansion Topographic Survey; and North Riverside Drive Directional Drill Survey and Subsurface Utility Engineering Services.		
e.	SFWM Continuing Survey Services (West Palm Beach, Florida)	2018 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Principal-in-Charge. The South Florida Water Management District (SFWM) trusted KEITH to provide professional services to continue with survey mapping services in Palm Beach, Broward and Miami-Dade Counties. KEITH worked with SFWM to improve wells for the Hillsboro canal phase I in Broward and Palm Beach Counties, the I-8 reservoir project in western Palm Beach County, and canals for the C-14 basin's hydrographic and topography survey in Miami-Dade County.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Luis Santaliz, PSM	13. ROLE IN THIS CONTRACT Project Manager	14. YEARS OF EXPERIENCE	
		a. TOTAL 8 years	b. WITH CURRENT FIRM 2 years

15. FIRM NAME AND LOCATION (City and State)

KEITH, Port St. Lucie, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)

B.S. Surveying and Topographic, University of Puerto Rico, 2015

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

LS7501, Professional Surveyor and Mapper, Florida

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Surveying and Mapping Society, Secretary Member; Florida Surveying and Mapping Society Member; American Society of Civil Engineering (ASCE) Member; National Society of Professional Surveyors (NSPS) Member; Institute of Transportation Engineering (ITE) Member

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	A1A Ocean Blvd At Jupiter Beach Road Intersection Improvement (Jupiter, FL)	2023 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Manager. KEITH is assisting the Client in developing a project including improvements to a high-traffic intersection in Jupiter, Florida. KEITH is providing the Client survey/SUE services. The KEITH Team is assisting the Client in survey and site work including establishing horizontal and vertical control, staking light poles, final as-built survey, staking drainage system, as-built drainage system, tin tabs at curbs, staking of concrete walks and ramps, and finished paving, grading and drainage as-built survey for this project improving the safety of the intersection for the community.		<input checked="" type="checkbox"/> Check if project performed with current firm
b.	Community Lots Okeechobee (Okeechobee, FL)	2022 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Manager. KEITH will be providing surveying and mapping services to Holiday Builders, LLC. KEITH will prepare a boundary and topographic survey of the site, as well as, a site plan, final survey, rough and final stake outs, formboard surveys, and foundation surveys. Surveys will show the boundary lines together with surface improvements such as buildings, roadways, pavement, sidewalks, fences, surface utilities.		<input checked="" type="checkbox"/> Check if project performed with current firm
c.	Palm Bay Home Lot Package (Palm Bay, FL)	2022 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Manager. KEITH is providing geospatial engineering services for multiple home sites in Palm Bay, Florida. Surveying and mapping services include boundary and topographic surveying with a house layout and site plan for 150 home sites.		<input checked="" type="checkbox"/> Check if project performed with current firm
d.	House Lot Package II (Palm Bay, FL)	2022 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Project Manager. KEITH will be providing surveying and mapping services to Holiday Builders, LLC. KEITH will prepare a boundary and topographic survey of the site, as well as, a site plan, final survey, rough and final stake outs, formboard surveys, and foundation surveys. Surveys will show the boundary lines together with surface improvements such as buildings, roadways, pavement, sidewalks, fences, surface utilities.		<input checked="" type="checkbox"/> Check if project performed with current firm
e.	Haverhill Road from Caribbean Boulevard to Beeline Highway (SR 710) (Palm Beach County, FL)	2016	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Role: Surveyor. This project evaluated and documented the engineering, environmental and public impacts associated with the potential widening of Haverhill Road from Caribbean Boulevard to Bee Line Highway (S.R. 710) from a two-lane roadway to a four-lane divided facility. The total distance is 2.1 miles. Survey activities for this project included horizontal and vertical project control, alignment of existing right-of-way lines, roadway cross sections/profiles, drainage surveys, sketch & descriptions, and topographic surveys.		<input type="checkbox"/> Check if project performed with current firm
f.	Drexel Road over L-2 Canal (Palm Beach County, FL)	2017 - 2018	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Surveyor. Project entails road design services at the intersection of Drexel Road /L-2 Canal, located within Palm Beach County. Establishment of Vertical and Horizontal Control, Construction Layout, Check Cross Sections and topographic updates. Survey activities for this project includes horizontal and vertical project control for 3 months, construction layout, roadway cross sections / profiles, and underground utilities.		<input type="checkbox"/> Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sam Hall, PSM	13. ROLE IN THIS CONTRACT Deputy Project Manager / QAQC Officer	14. YEARS OF EXPERIENCE	
		a. TOTAL 24 years	b. WITH CURRENT FIRM 2 years
15. FIRM NAME AND LOCATION (City and State) KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) M.S. GPS Satellite Surveying and Conformal Mapping, University of Maine 2007 B.S. Geography and Anthropology, University of Southern Maine 2005		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) LS6644, Professional Surveyor and Mapper, Florida	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Surveying and Mapping Society (FSMS) Member; American Association of Geodetic Surveyors (AAGS) Member; Florida Institute of Consulting Engineers (FICE) Member; Florida Utilities Coordinating Committee Member; American Society of Civil Engineering (ASCE); Member; American Public Works Association (APWA) Member

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	City of FTL Water Consent Order Mapping (Fort Lauderdale, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Project Manager. KEITH provided survey and subsurface utility engineering services. This project included the city-wide mapping of all City of Fort Lauderdale potable water distribution components. All surface system components were located and lines larger than 8-inches in diameter were designated (ASCE/CI 38-02 utility quality level B / 2D location). To complete this significant data collection effort, KEITH scanned more than 200 roadway miles with mobile LiDAR, mapped more than 11,000 active and inactive valves along with over 2,000 hydrants and other surface infrastructure. KEITH then used ground penetrating radar and electronic cable and pipe locating methods to tone and locate more than 140-line miles of buried water lines. The resulting data was used to update the city's water atlas maps with "survey accurate" utility facility locations and update the city's water distribution system GIS for future management of the potable water system.		
b.	City of Oakland Park Citywide Surveys (Oakland Park, Florida)	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Role: Project Manager. This series of surface and underground utility surveys supported the design, permitting and construction of safety and mobility improvements throughout the city of Oakland Park as funded by FDOT through the Local Agency Funding (LAP) program. Mobile LiDAR was used to map approximately 2-square miles of surface roadways. City right's of way were surveyed relative to existing plats, deeds of record, and FDOT and/or Broward county right of way maps. A full survey of drainage and stormwater facilities was also provided. Subsurface utilities were designated (ASCE/CI 38-02 utility quality level B / designation) and mapped throughout the project limits, and utility test holes (ASCE/CI 38-02 utility quality level A / locates) were performed at the location of proposed improvements that may be in conflict with existing facilities.		
c.	Districtwide Misc Location Survey Consultant (Miami, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Project Manager/Principal-in-Charge. KEITH is providing location survey services for FDOT D6 in an effort that is vital to planning, analysis and assessment of the transportation infrastructure and natural features throughout the District. Most of these services will utilize a combination of mobile surveying and mapping technologies with GNSS and conventional survey technologies for ground control, quality assurance, and supplementary topographic map data when necessary. The goal of utilizing mobile survey technology is to increase safety and cost benefit to projects through efficient collection and enhanced topographic information. It is further desired that mobile survey data will offer other value-added data to GIS, maintenance, and preliminary engineering.		
d.	FDOT D4 Continuing Survey Services (Districtwide)	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Role: Project Manager. This was a five-year, \$5 million continuing contract that supported FDOT's in-house and consultant work program with district-wide surveying, mapping, and utility locating assignments. Services were provided on an on-call basis, and included baseline and right of way surveys, terrestrial and terrestrial mobile LiDAR, conventional surveys for design, hydrographic surveys, drainage surveys, cross sections, and bridge detail surveys. Right of way mapping assignments include R/W control survey mapping, R/W map preparation, Genesis mapping, sketches to accompany legal descriptions, and appraisal sketches. Utility locating assignments included ASCE quality level B (utility designating) and quality level A (utility test holes), records research, and coordination with utility agency owners.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Eric Wilhjem, PSM	13. ROLE IN THIS CONTRACT Surveyor - Roadway	14. YEARS OF EXPERIENCE	
		a. TOTAL 33 years	b. WITH CURRENT FIRM 8 years
15. FIRM NAME AND LOCATION (City and State) KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Surveying and Mapping, University of Florida, 1997		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) LS5872, Professional Surveyor and Mapper, Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) FAU Geomatics Engineering Advisory Board Member; Florida Surveyors & Mapping Society (FSMS) Member			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	D6 Districtwide Additional Highway System Right-of-Way & Survey Support (C9R76) (Miami, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. As a Prime consultant, KEITH provided right-of-way (R/W) surveying services, to FDOT District 6. The tasks ranged from stake-out of guardrail to full design surveys with DTMs, as well as R/W mapping. Control included both horizontal and vertical control needed for the various tasks. KEITH prepared the planning and adjusting of the GPS, processing of EFB data, adjusting level runs, calculated the historic baseline of surveys and existing right-of-way, and created and modified GEOPAK TIN files. (FM 250696-5-32-04) (Contract C9R76)		
b.	Districtwide Misc Location Survey Consultant (Miami, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. KEITH is providing location survey services for FDOT D6 in an effort that is vital to planning, analysis and assessment to the transportation infrastructure and natural features throughout the District. Most of these services will utilize a combination of mobile surveying and mapping technologies with GNSS and conventional survey technologies for ground control, quality assurance, and supplementary topographic map data when necessary. The goal of utilizing mobile survey technology is to increase safety and cost benefit to projects through efficient collection and enhanced topographic information. It is further desired that mobile survey data will offer other value-added data to GIS, maintenance, and preliminary engineering.		
c.	Districtwide Utility Locating Services, FDOT D6 (Miami Gardens, Florida)	2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. As prime consultant, KEITH provided utility coordination services to FDOT District 6 for contract FPID 250723-3-32-01. The services provided under this task work order (TWO) contract included initial contact, pre-design, final design, utility clear packages, utility project files and documents, and project status reports.		
d.	In-House Right of Way Mapping Support (Districtwide, Florida)	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. As subconsultant to HDR, KEITH is providing in-house survey support to FDOT D6 in reviewing the following: R/W Maps, R/W Monumentation Plans, Maintenance Maps, Fee Simple Parcels, Perpetual Easements, and License Agreement Parcels. Marlon Rivera, SUR Survey/GIS/SUE Analyst 3, has been assigned to this task under FM#425144-4-32-01. He has extensive experience in survey and R/W mapping and has assisted the District with review of numerous documents and plans prepared by consultants.		
e.	SR 9 (I 95) Survey and Right-of-Way Control Map, TWO 30, FDOT D4 (Districtwide, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Surveyor. As subconsultant to GPI Geospatial under their continuing services contract with FDOT District 4 to provide surveying mapping, and subsurface utility engineering (SUE), KEITH has been tasked to survey all existing recorded subdivision/condominium boundaries, tracts, units, phases, blocks, street right-of-way lines, and common areas, including analysis and processing of all field collected data and reports for the following sites: SR 9, north of SR 822 (C-10 Canal) to north of SR 818 (Dania CO Canal), 10,100 linear feet SR 818/Griiffin Road from 200 feet west of Angler's Avenue to Dania CO Canal, 3,300 linear feet SR 848/Stirling Road from 200 feet west of Anglers Road to 200 feet east of SW 18 Avenue, 3,200 linear feet		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Joseph Samberg, SIT	13. ROLE IN THIS CONTRACT Land Surveyor in Training	14. YEARS OF EXPERIENCE	
		a. TOTAL 6 years	b. WITH CURRENT FIRM 1 year
15. FIRM NAME AND LOCATION (City and State) KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Geomatics, University of Florida, 2017		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) 17-926-45, Florida Surveying and Mapping Society, Florida	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Florida Surveying and Mapping Society Member			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	City of FTL Water Consent Order Mapping (Fort Lauderdale, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. KEITH provided survey and subsurface utility engineering services. This project included the city-wide mapping of all City of Fort Lauderdale potable water distribution components. All surface system components were located and lines larger than 8-inches in diameter were designated (ASCE/CI 38-02 utility quality level B / 2D location). To complete this significant data collection effort, KEITH scanned more than 200 roadway miles with mobile LiDAR, mapped more than 11,000 active and inactive valves along with over 2,000 hydrants and other surface infrastructure. KEITH then used ground penetrating radar and electronic cable and pipe locating methods to tone and locate more than 140-line miles of buried water lines. The resulting data was used to update the city's water atlas maps with "survey accurate" utility facility locations and update the city's water distribution system GIS for future management of the potable water system.		
b.	SR 228 (Normandy Blvd) from West of Lane Avenue to Cassat Ave, FDOT D2 (Jacksonville, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. KEITH is assisting FDOT District 2 in this resurfacing project (FM# 447212-2-52-01) in Jacksonville on SR 228/Normandy Blvd from West of SR 103/Lane Avenue to SR 111/Cassat Avenue, a KEITH Access project. Classified as a C4 Urban General Mix and C3C Suburban Commercial, work groups include major highway design, drainage, miscellaneous structures, signing and pavement marking, lighting, signalization, survey, geotech, and environmental permitting. This urban undivided highway includes transit stops and sidewalks in both directions. KEITH has been assigned to update existing pavement markings and signage, upgrade existing ADA ramps to conform to standards, improve drainage, replace existing signal heads/vehicle detection/pedestrian signals at SR 228 and Ellis Road/Lennox Avenue, and assess the need for additional lighting and provide recommendations to the District Design Office. This project will create a safer space for pedestrians and road users when completed.		
c.	SR A1A from N SR 40 (Granada Blvd) to N of Roberta Road, FDOT D5 (Ormond Beach, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. KEITH is assisting FDOT D5 for this resurfacing and safety improvements project, part of a 3-project contract in Volusia County (FPID 442874-1). This 3.1-mile KEITH Access project is on SR A1A, from north of SR 40 (MP 6.713) to Roberta Rd (MP 9.839), north of Daytona Beach. The project began as a resurfacing, restoration, and rehabilitation (RRR) project and was expanded to incorporate widening; speed management countermeasures/safety improvements such as horizontal/vertical deflections, raised mid-block crossings, chicanes/chockers, and raised medians; along with intersections improvements, converting flush shoulders to curb and gutter; sidewalks; and a new shared-use path. These multimodal improvements are part of FDOT's Target Zero and Complete Streets initiatives. Services include roadway, milling and resurfacing, drainage, signing and pavement marking, signalization, lighting, ADA upgrades, landscape architecture, utility coordination, subsurface utility engineering (SUE), TTCP, access management, geospatial services (survey, mapping, mobile LiDAR, design surveys, and right-of-way surveys), minor structures, public outreach, geotechnical services, environmental permitting, and coordination with the municipal airport. Once completed, this corridor will be safer for all road users for residents and visitors alike.		
d.	SR972/Coral Way/SW 3 Ave fm 400 ft W of SW 12 Ave to Brickell Ave (Miami, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. Under this Task Work Order for Districtwide Miscellaneous Location Survey contract (CAH73), KEITH is assigned to create a Maintenance Map for SR 972/Coral Way from SW 12th Avenue to Brickell Avenue (FM# 445998-1-32-01). These six areas within this corridor include NW corner at the intersection of SW 25th Rd, SW corner at SW 24th Rd, SE corner at SW 23rd Rd, SW corner at SW21st Rd, NW corner at S Miami Ave, and NW corner at Brickell Ave. KEITH is tasked to recover existing control, verify provided topographic survey, and prepare a maintenance map.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Zoey Holden, SIT	13. ROLE IN THIS CONTRACT Land Surveyor in Training	14. YEARS OF EXPERIENCE	
		a. TOTAL 3 years	b. WITH CURRENT FIRM 3 years

15. FIRM NAME AND LOCATION (City and State)
KEITH, Port St. Lucie, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
B.S. Geomatics, University of Florida, 2020

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Bella Vista Park (Sunny Isles Beach, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. The City of Sunny Isles Beach selected KEITH, as part of our continuing services agreement, to develop a new park at the Bella Vista Park site. The overall property is approximately 0.9-acres. KEITH is providing civil, survey, subsurface utility engineering, planning, and landscape architecture services. KEITH coordinated subconsultants for the provision of structural and environmental engineering, electrical engineering, and geotechnical engineering services completing the multi-disciplinary team. All phases from early development and design through final construction documents are being developed by this team of industry professionals.		
b.	Broward County Landfill Annual Survey (Davie, Florida)	2023	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. KEITH was contracted for surveying services with the Solid Waste and Recycling Services (SWRS)/Solid Waste Operations Division (SWOD) of Broward County. The KEITH Team was responsible for preparing topographic/volume surveying to determine the percentage of the remaining life of the Broward County Southwest Regional Landfill. In addition to the volume calculations, the surveying services graphically depicted the conditions of the side slopes and terraces and included locations and elevations of any newly installed gas extraction wells, leachate collection cleanouts, storm catch basins, and gas sample points. This survey is performed at the end of each calendar year. On-Call Surveying and Mapping Services also include Boundary Surveys, As-Built/Record Surveys, Quantity Surveys, Topographic Surveys, Control Surveys, and Specific Purpose Surveys.		
c.	Districtwide Utility Locating Services, FDOT D6 (Miami Gardens, Florida)	2022	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. As prime consultant, KEITH provided utility coordination services to FDOT District 6 for contract FPID 250723-3-32-01. The services provided under this task work order (TWO) contract included initial contact, pre-design, final design, utility clear packages, utility project files and documents, and project status reports.		
d.	Pompano Beach MLK Boulevard Improvements (Pompano Beach, Florida)	2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. The Pompano Beach Northwest Community Redevelopment Agency (CRA) wanted to enhance the area along Martin Luther King Blvd between I-95 and Dixie Hwy. This area was part of the CRA's overall master plan known as the "Downtown Pompano Connectivity Plan". Improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Blvd, including special pavement materials, new pedestrian-level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), and drainage, utility, and roadway improvements. KEITH assembled a multi-disciplinary team to complete all design aspects. As the Lead/Prime consultant, we were responsible for overall team management, engineering, permitting, planning, surveying, public consensus, and construction management. After the design was complete, the CRA split the project into two construction phases due to budgeting restraints.		
e.	SFWMD Continuing Survey Services (West Palm Beach, Florida)	2018 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Land Surveyor in Training. The South Florida Water Management District (SFWMD) trusted KEITH to provide professional services to continue with survey mapping services in Palm Beach, Broward and Miami-Dade Counties. KEITH worked with SFWMD to improve wells for the Hillsboro canal phase I in Broward and Palm Beach Counties, the I-8 reservoir project in western Palm Beach County, and canals for the C-14 basin's hydrographic and topography survey in Miami-Dade County.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Andrew Hunter	13. ROLE IN THIS CONTRACT Survey Technician III	14. YEARS OF EXPERIENCE	
		a. TOTAL 11 years	b. WITH CURRENT FIRM 1 year

15. FIRM NAME AND LOCATION (City and State)
KEITH, Port St. Lucie, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)
A.A. General Studies, Valencia Community College, 2012

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Flagler Drive Six Specific Purpose/Topo Surveys (West Palm Beach, Florida)	2023	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician. KEITH was tasked to provide this series of six (6) Specific Purpose / Topographic Surveys including collection and depiction of surface features along Flagler Drive. The surveys support the installation of new structures and pipes to house in-line tide control valves, and potential replacement of existing stormwater pipes and/or structures within the project areas. Surveys were performed at the Dyer Road, Almeria Road, Valencia Road, Granada Road, Barcelona Road, and just north of Barcelona Road intersections with South Flagler Drive and extend to 10' beyond the radius return of curve along South Flagler Drive and along each respective side street. Survey shows the surface improvements such as buildings, roadways, pavement, sidewalks, traffic striping, walls, fences, surface evidence of subsurface utilities, and aerial utility facilities. Trees are noted by common name and trunk diameter. Storm and Sanitary structures are noted with the structure rim elevation, pipe invert elevation, pipe diameter, material, connectivity and direction. Elevations were obtained at 20' intervals along pavement and hard surfaces. Seawalls were located with elevation at top of wall at 20' intervals. Seawall rubble riprap was located with elevations, along with one shot past apparent existing water elevation to depict silt elevation adjoining the rubble riprap. Road rights of way were depicted as per Palm Beach County Property Appraiser GIS database linework, adjusted to correspond to apparent right-of-way occupation (property corners when apparent, back of sidewalk, or other identifiable occupation lines). KEITH engaged with utility agency owners (UAO's) by filing a Sunshine One Call Design Ticket and then distributed project area exhibits to contacts.		
b.	SR 423 from East of Kingswood Dr to West of Adanson St, FDOT D5 (Orlando, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician. This safety improvements project will enhance pedestrian, bicyclist, and vehicle safety along SR 423, from Kingswood Drive to Adanson Street, and includes improvements to two signalized intersections; conversion of an existing directional median to a new signalized intersection; removal of the existing westbound left-turn lane to Orlando Volkswagen, closing the existing directional median at MP 7.966; lengthening the existing left-turn storage lengths at several westbound locations; reconstruction of 12 curb ramps; lighting and ITS upgrades; and associated drainage modifications. As a subconsultant to K&N Engineering, KEITH is providing survey, mapping, and subsurface utility engineering (SUE) services.		
c.	SR 9/I95 from N of Glades Cut off Rd to N of Florida Turnpike/SF-91, TWO-11, FDOT D4 (Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician. Under Task Work Order #11 (FM#449163-1-32-01) for Scalar Consulting Group's Continuing Service Contract for Project Design (CAJ57), KEITH has been assigned to provide design survey, SUE, and right-of-way for SR 9/I-95 from N of Glades Cut-Off Rd to N of Florida's Turnpike/SR 91. The overall improvements of this corridor include milling and resurfacing of existing pavement and ramps at the Midway Rd interchange, upgrade signing and pavement marking, and add ITS infrastructure needed to address blind spots along curves. KEITH has been tasked to recover and densify previous HPC/VPC and secondary control, provide topography and 3D terrain model, designate FDOT ITS facilities in areas of potential guardrail replacement, provide invert study on 12 drainage structures, update project HPC/VC sheets for inclusion in construction documents, and provide a final project field walkthrough, QAQC activities, and attend meetings.		
d.	SR51 from N of SR10 Interchange to Hamilton City Line, FDOT D2 (Suwanee County, Florida)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician. As a subconsultant to CORE, KEITH is providing survey and subsurface utility engineering to SR51 from N of SR10 Interchange to Hamilton City Line. KEITH will perform survey tasks in accordance with all applicable statutes, manuals, guidelines, standards, handbooks, procedures, and current design memoranda.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Donald Bittner, Jr.	13. ROLE IN THIS CONTRACT Survey Technician III	14. YEARS OF EXPERIENCE	
		a. TOTAL 26 years	b. WITH CURRENT FIRM 15 years
15. FIRM NAME AND LOCATION (City and State) KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) A.S. AutoCADD Management, Pittsburgh Technical Institute, 1997		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Broward College North Campus Continuing Services for Survey and SUE (Coconut Creek, FL)	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. KEITH was tasked with updating existing surveys and bringing them up to Broward College's current standards and requirements for land surveys. This includes reviewing the entire site and adding all new improvements not shown on the existing survey and reviewing the provided AutoCAD file to update all layers, blocks, etc., to the standard layers and blocks provided by Broward College. KEITH also reviewed the existing AutoCAD file for inconsistencies in linework, layer assignments, and more. KEITH was also responsible for locating, typing, and sizing all trees on the North Campus and adding them to the boundary survey.		
b.	City of Deerfield Beach Miscellaneous Engineering, Planning & Surveying Services (Deerfield Beach, FL)	2004 - 2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. KEITH served as the General Engineering Consultant for the City of Deerfield Beach for more than 16 years. KEITH provided ongoing continuing services, including engineering, geospatial (surveying & SUE) services, as well as plan review services. Some projects provided under these contracts include Hillsboro Boulevard and A1A "S-Curve"; Beach Roadway Drainage and Beautification (Phases I and II); Ocean Way Café Luna Improvements; Ocean Way Drainage, Infrastructure, and Beautification Improvements; Deerfield Beach Sand and Dune Stabilization, Re-nourishment, and Erosion Control; Deerfield Beach Boardwalk Volleyball Courts and Artificial Reef Improvements; Main Beach Parking Lot Improvements; Intersection Improvement Design of Goolsby Boulevard/Hillsboro Boulevard; Intersection Improvement Design of Century Boulevard/Hillsboro Boulevard; Hillsboro Boulevard Streetscape Improvements; SW 15th Street Roadway Improvements.		
c.	Laguna and Allegro Water Service Line Replacement (Sunrise, FL)	2021 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. KEITH created a topographic survey of approximately 7,500-LF of the roadways lying within the project area. Survey showed the existing right-of-way lines (based on Broward County GIS) and a baseline with stationing. Survey showed all surface features within the right-of-way including roadways, driveways, sidewalks, pavement markings, signs, surface utilities, and hedges. Trees were noted by common name and trunk diameter. Storm and sanitary structures were noted with invert elevation, material, size and direction. Water meters were located for each residence (approx. 331), regardless of their location within the right-of-way. Surface features were located between the water meter location and the right-of-way line to locate possible obstructions. Elevations were shown at an interval of approximately 100-feet, including intermediate changes in grade.		
d.	SFWMD Continuing Survey Services (West Palm Beach, FL)	2018 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. The South Florida Water Management District (SFWMD) trusted KEITH to provide professional services to continue with survey mapping services in Palm Beach, Broward, and Miami-Dade counties. KEITH worked with SFWMD to improve wells for the Hillsboro Canal Phase I in Broward and Palm Beach counties, the L-8 Reservoir Project in western Palm Beach County, and canals for the C-14 basin's hydrographic and topography survey in Miami-Dade County. KEITH served as the consultant managing a trans-disciplinary team, providing surveying and subsurface utility locating services.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Da'Neil Andrew Campbell	13. ROLE IN THIS CONTRACT Survey Technician III	14. YEARS OF EXPERIENCE	
		a. TOTAL 6 years	b. WITH CURRENT FIRM 4 years
15. FIRM NAME AND LOCATION (City and State) KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Geomatic Engineering, Florida Atlantic University, 2017		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) FS Fundamentals of Surveying; Florida Society of Professional Surveyors & Mappers Member			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	SFWMD Continuing Survey Services (West Palm Beach, FL)	2018 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. The South Florida Water Management District (SFWMD) trusted KEITH to provide professional services to continue with survey mapping services in Palm Beach, Broward, and Miami-Dade counties. KEITH worked with SFWMD to improve wells for the Hillsboro Canal Phase I in Broward and Palm Beach counties, the L-8 Reservoir Project in western Palm Beach County, and canals for the C-14 basin's hydrographic and topography survey in Miami-Dade County. KEITH served as the consultant managing a trans-disciplinary team, providing surveying and subsurface utility locating services.		
b.	SR A1A Streetscape Improvements (Pompano Beach, FL)	Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Analyst. KEITH updated the 3.5-mile topographic design survey, which consists of locating all surface features of the jobsite and depicts all-natural features and elevations. The project consists of streetscape improvements along SR A1A from Sunset Lane to the Hillsboro Inlet. The streetscape improvements include the addition of landscaped medians, widened sidewalks, street lighting, and landscape improvements. KEITH scanned the job using a TML (Terrestrial Mobil Lidar) with Chevron targets set for control. The data collected was processed using Pegasus Software, as well as Cyclone registry to extract the data from the point cloud. Once the data was processed, KEITH did a QA/QC check to verify previous and recently collected survey data coincided so that the newly created DTM will be shown as accurate as possible. The delivery for this project was a 2d MicroStation file set for FDOT standards. Each file was delivered as a separate legacy file separating drainage, TOPO, utilities, and DTM features as a separate entity.		
c.	Broward College North Campus Continuing Services for Survey and SUE (Coconut Creek, FL)	2020	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. KEITH was tasked with updating existing surveys and bringing them up to Broward College's current standards and requirements for land surveys. This includes reviewing the entire site and adding all new improvements not shown on the existing survey and reviewing the provided AutoCAD file to update all layers, blocks, etc., to the standard layers and blocks provided by Broward College. KEITH also reviewed the existing AutoCAD file for inconsistencies in linework, layer assignments, and more. KEITH was also responsible for locating, typing, and sizing all trees on the North Campus and adding them to the boundary survey.		
d.	Hallandale Beach Boulevard (SR 858) Water Main Improvements (Hallandale Beach, FL)	2022 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Survey Technician III. As a part of KEITH's continuing engineering services agreement with the City, KEITH provided geospatial engineering, civil engineering, permitting, and construction observation associated with the replacement and upsizing of an existing 12-inch and 16-inch ductile iron water main with a new 16-inch water main along Hallandale Beach Blvd, extending from west of SE 14th Ave to west of SE 26th Ave (approx. 3,500 linear ft). All existing domestic water services will be replaced up to the existing meters or within five feet of the back of the sidewalk, existing fire services will be replaced up to existing DDCVs or within five feet of the back of the sidewalk, and all fire hydrants will be replaced, and if necessary, adding additional fire hydrants to provide the required minimum spacing.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT			
(Complete one Section E for each key person.)			
12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Mark Mitchell	Director of Subsurface Utility Engineering	a. TOTAL 23 years	b. WITH CURRENT FIRM 9 years
15. FIRM NAME AND LOCATION (City and State)			
KEITH, Port St. Lucie, Florida			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
A.A. Arts, Saint Petersburg College, 1992		OSHA 40 Hour Certificate; CSX Certified Facilitator; OSHA Construction Induction Training; Rail Industry Safety Induction; Temporary Traffic Control Certification, Intermediate; OSHA Confined Space Entry	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			
19. RELEVANT PROJECTS			
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Blount Road Signal Design (Pompano Beach, FL)	PROFESSIONAL SERVICES 2020	CONSTRUCTION (If applicable)
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE Project Manager. KEITH provided professional services for signalization and pavement marking improvements along MLK Blvd at the Blount Road and NW 31st Ave intersections. Signalization to the intersections facilitates safe and reasonable approach for southbound traffic on Blount Road to access MLK Boulevard and properly sequences with the signal at NW 31st Avenue. The design plans provided by KEITH included pavement marking, paving, curbing, signage, conduit trenching, grading, and sodding, including a complete set of traffic signal design plans to construct a new mast arm assembly at the intersection. KEITH provided a topographic survey of the project area to support the engineering design. The survey identified all surface features, including roadway, sidewalk, medians, striping, and utilities. KEITH performed utility location services using vacuum excavations to verify any targets identified during the EMI and ground penetrating radar evaluation.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City of Deerfield Beach Miscellaneous Engineering, Planning & Surveying Services (Deerfield Beach, FL)	PROFESSIONAL SERVICES 2004 - 2020	CONSTRUCTION (If applicable)
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE Project Manager. KEITH served as the General Engineering Consultant for the City of Deerfield Beach for more than 16 years. KEITH provided ongoing continuing services, including engineering, geospatial (surveying & SUE) services, as well as plan review services. Some projects provided under these contracts include Hillsboro Boulevard and A1A "S-Curve"; Beach Roadway Drainage and Beautification (Phases I and II); Ocean Way Café Luna Improvements; Ocean Way Drainage, Infrastructure, and Beautification Improvements; Deerfield Beach Sand and Dune Stabilization, Re-nourishment, and Erosion Control; Deerfield Beach Boardwalk Volleyball Courts and Artificial Reef Improvements; Main Beach Parking Lot Improvements; Intersection Improvement Design of Goolsby Boulevard/Hillsboro Boulevard; Intersection Improvement Design of Century Boulevard/Hillsboro Boulevard; Hillsboro Boulevard Streetscape Improvements; SW 15th Street Roadway Improvements.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR A1A Streetscape Improvements (Pompano Beach, FL)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE Project Manager. This project consists of streetscape improvements along SR A1A from Sunset Lane to the Hillsboro Inlet. The improvements include the addition of landscaped medians, sidewalk widening (where right-of-way is available), street lighting, and landscape improvements. Services consist of survey; subsurface utility engineering (SUE); civil, traffic, and transportation engineering; landscape design, and construction engineering inspection (CEI) for the proposed improvements. During early project coordination, it was determined that FDOT had an overlapping resurfacing project with the City of Pompano Beach's planned project. KEITH was able to coordinate to have the FDOT funds transferred to the City of Pompano Beach to increase the construction budget for the City's project.		
	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Surveying, Civil Engineering, and Landscape Architecture Continuing Services (Pompano Beach, FL)	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (If applicable)
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE Project Manager. KEITH provides surveying and mapping, civil engineering, and landscape architecture services to the City on an as-needed basis. Some geospatial projects include South Cypress Road and SE 15th Court Intersection Design Survey; SE 13th Street Force Main Design Survey; SR A1A Survey and Subsurface Utility Engineering Services from Hillsboro Boulevard to Terra Mar Drive; Permanent Emergency Generators Design Survey for City Hall and Public Safety Building; Santa Barbara Reuse Water Line Expansion Topographic Survey; and North Riverside Drive Directional Drill Survey and Subsurface Utility Engineering Services.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Sean Halsey	13. ROLE IN THIS CONTRACT Subsurface Utility Engineer	14. YEARS OF EXPERIENCE	
		a. TOTAL 22 years	b. WITH CURRENT FIRM 5 years

15. FIRM NAME AND LOCATION (City and State)
KEITH, Port St. Lucie, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION) 17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
General Studies, Lewis & Clark College 1992

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
a.	Mayfair Drainage Improvements (Sanford, FL)	2022 - Ongoing	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: Subsurface Utility Engineer (SUE). KEITH is assisting the Client, under its continuing services contract with the City, in developing a project to mitigate regular flooding issues along Virginia Avenue and 4th Street. KEITH provides services to the Client including survey/SUE, civil engineering, permitting, bidding assistance, and construction management. The KEITH Team assisted the Client with a drainage model consisting of existing conditions of the drainage basin using Stormwater Management Model (SWMM) software indicating problem areas, including a stormwater analysis report, construction documents, specifications, and final inspections to improve conditions in this neighborhood.		
b.	Hillsboro Shores Drainage Improvements (Pompano Beach, FL)	2018 - Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE. KEITH assisted the Client in the development of a project that included low elevation in a neighborhood where the groundwater is very close to the surface and the existing drainage system consisted of sporadic drainage structures, undersized pipes, and roadside swales. KEITH provided services to the Client including civil engineering, landscape architecture, and survey to fulfill the City's directive to add or replace drainage structures and reconstruct roadside swales without disturbing the homeowners located in the City's right-of-way. KEITH conducted site visits and inspections to determine areas available for improvement. Engineering plans were created to improve drainage systems while minimizing impacts and topographic surveying included horizontal designation and location. Arborist services, public outreach, civil design development, and construction administration were included to provide a creative solution while being sensitive to the concerns of the community.		
c.	MLK Boulevard Improvements (Pompano Beach, FL)	2019-2021	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE. The Pompano Beach Northwest Community Redevelopment Agency (CRA) wanted to enhance the area along Martin Luther King Boulevard between I-95 and Dixie Highway. This area was part of the CRA's overall master plan known as the "Downtown Pompano Connectivity Plan". The proposed improvements included multi-modal (pedestrian/bicycle/transit) friendly streetscape with landscape/hardscape beautification features along MLK Boulevard including special pavement materials, new pedestrian level and roadway decorative lighting, streetscape furnishings, utility adjustments (including undergrounding overhead FPL/Comcast/AT&T lines), overall drainage, and roadway improvements.		
d.	Continuing Services for Traffic, Roadway & Civil Engineering (Broward County, FL)	2016 - 2023	
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Role: SUE. As a subconsultant to Metric Engineering, KEITH provided geospatial engineering, civil engineering, landscape architecture, and construction administration services for various Broward County traffic and roadway projects, including Pine Island Road to Southgate Boulevard, CEI Services for Oakland Park Boulevard, Design Services for SE 2nd Avenue Crosswalk Improvements, Lauderhill Mall Transit Signalization, Wiles Road at Coral Springs Drive Improvements, Sistrunk Boulevard Pedestrian Lighting, CEI Services for MLK Boulevard and Blount Road, Davie Road Extension, and CEI Services for Taft Street and Park Road.		

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION (<i>City and State</i>)		22. YEAR COMPLETED
City of Sanford General Engineering Contract (<i>Sanford, FL</i>)		PROFESSIONAL SERVICES 2022 - Ongoing
		CONSTRUCTION (<i>if applicable</i>)
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Sanford	Norton Bonaparte	407-688-5000
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>include scope, size and cost</i>)		



KEITH was recently selected to provide professional consulting services for civil engineering design, water and wastewater engineering, infrastructure asset management, and transportation engineering on a continuing basis. Scopes of service also include landscape architectural services and geospatial engineering including surveying and mapping and subsurface utility engineering. *Contract amount varies – up to \$500,000 annually.*

Mayfair Drainage Improvements:

The KEITH Team is providing geospatial and civil engineering services for stormwater improvements to solve regular flooding issues along Virginia Avenue and 4th Street. The KEITH Team is providing detailed surveying and mapping and subsurface utility engineering services, along with preparation of full engineering services, construction documents, permitting assistance, bidding assistance and CEI services. The drainage model will consist of the existing conditions of the project site's drainage basin utilizing SWMM (Storm Water Management Model) Software and will provide recommendations addressing conveyance problem areas including a stormwater analysis report, construction documents, specifications, and final inspections. *Cost: \$164,960.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
a.	KEITH	Pompano Beach, FL	SUE, Transportation, UC, Planning, Civil, Survey, LA, Outreach/Grant Funding

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 2				
21. TITLE AND LOCATION (<i>City and State</i>) SFWMD Continuing Survey Services (<i>West Palm Beach, FL</i>)		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (<i>if applicable</i>)</td> </tr> <tr> <td>2018 - Ongoing</td> <td>2021</td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)	2018 - Ongoing	2021
PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)					
2018 - Ongoing	2021					
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER South Florida Water Management District	b. POINT OF CONTACT NAME Michael O'Brien, PSM, CFM	c. POINT OF CONTACT TELEPHONE NUMBER (772) 485-6035				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>include scope, size and cost</i>)						



The South Florida Water Management District (SFWMD) trusted KEITH to provide professional services to continue with survey mapping services in Palm Beach, Broward, and Miami-Dade counties. KEITH worked with SFWMD to improve wells for the Hillsboro Canal Phase I in Broward and Palm Beach counties, the L-8 Reservoir Project in western Palm Beach County, and canals for the C-14 basin's hydrographic and topography survey in Miami-Dade County. KEITH served as the consultant managing a trans-disciplinary team, providing surveying and subsurface utility locating services. *Cost: \$588,228.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
a.	KEITH	Pompano Beach, FL	Survey

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 3				
21. TITLE AND LOCATION (<i>City and State</i>) City of Fort Lauderdale Miscellaneous Surveying Services (Fort Lauderdale, FL)		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (<i>if applicable</i>)</td> </tr> <tr> <td>2007 - 2018</td> <td></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)	2007 - 2018	
PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)					
2007 - 2018						
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER				
City of Fort Lauderdale	Enrique Sanchez	954-828-5129				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>include scope, size and cost</i>)						



KEITH provided general surveying and mapping services to the municipality on an as needed basis on this ongoing continuing services contract. Some projects provided under these contracts include: NE 27th Street ADA Parking Lot Topographic Design Surveys, ADA Compliance Design Surveys For Eisenhower Blvd and SE 17th Street, Las Olas Circle, Birch Road, SE 4th Street, SE 16th Avenue to NW 1st Avenue to NW 1st Avenue, Peele Dixie Water Treatment Plant Engineering Design Surveys, Boundary Surveys, SE 15th street Boat Ramp Boundary Surveys, Hortt Elementary School ATLA/ACSM Land Title Survey, Mills Pond Park Boundary Survey-, Croissant Park Athletic Field Staking and Final As-Built Sketch for the City's Records, River Oaks (Lauderdale Marine Center) Specific Purpose Survey & Sketch and Design, South Middle River Park Boundary Survey, Fort Lauderdale Executive Airport (FXE) Taxiway Golf Relocation FAA Survey Submittal Assistance, 17th Street Causeway Service Road Utility Designation and Mapping, and River Oaks Preserve Topographic Survey. *Contract amount varies – up to \$500,000 annually.*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION (<i>City and State</i>)	(3) ROLE
	KEITH	Pompano Beach, FL	SUE, Survey

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <small>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)</small>		20. EXAMPLE PROJECT KEY NUMBER 4
21. TITLE AND LOCATION <i>(City and State)</i> City of Deerfield Beach AE Services (CCNA) <i>(Deerfield Beach, FL)</i>		22. YEAR COMPLETED PROFESSIONAL SERVICES: Ongoing CONSTRUCTION <i>(if applicable)</i> : N/A

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Deerfield Beach	Priscilla Cygielnik	954-616-7046

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size, and cost)*
 KEITH has served as the General Engineering Consultant for the City of Deerfield Beach for over 22 years and has been providing on-going engineering and surveying/mapping services. Some projects provided under these service contracts include:

Parks and Recreation Projects: Highlands Park & Recreation Center, Sullivan Park/Kester Marina Development, Oveta McKeithen Recreation Center Improvements, Pioneer Park Improvements and Boat Ramp Improvements, Mayo Howard Park Surveys, City Hall Remodeling Project, Deerfield Beach Sand and Dune Stabilization Re-nourishment and Erosion Control, Deerfield Beach Boardwalk, Volleyball Courts, and Artificial Reef Improvements. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering, and CEI services from in-house staff for the design/permitting and construction management for all the above referenced projects. KEITH was the prime consultant on all these park projects and managed subconsultants for architecture, structural, electrical, and geotechnical engineering. All parks were City funded projects. The park projects varied in size from 1 to 10 acres and included new multi-purpose athletic fields, additional parking, nature trails, connectivity with other surrounding programmed spaces such as existing Intracoastal Waterway, walkways, bikeways, exercise trails, some parks included new buildings, pavilions, docks, public boat ramps and seawalls. KEITH assisted City staff in providing the required documentation and attending presentations to the associated granting agencies and Broward Boating Improvement Program.



Roadway Improvement Projects: Hillsboro Blvd and S.R. A1A "S-Curve" Beach Roadway Drainage and Beautification (Phase I and II), Hillsboro Blvd Streetscape Improvements and Utility Undergrounding, Ocean Way Streetscape and Drainage Improvements, Ocean Way Café Luna Improvements, Main Beach Parking Lot Improvements, The Cove Shopping Plaza, Parking Lot and Alleyways Redevelopment & Beautification, Intersection Improvement Design of Goolsby Blvd/Hillsboro Blvd., Intersection Improvement Design of Century Blvd/Hillsboro Blvd., SW 15th Street Roadway Improvements, SW 3rd Avenue Roadway Improvements - CEI LAP, The Cove Neighborhood - Traffic Calming Improvements,

Powerline Industrial Park Neighborhood Drainage Improvements (FEMA Funded), City-wide ADA Sidewalk Improvements (LAP and CDBG Funded), S.R. A1A Landscape and Pedestrian Safety Upgrades. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering / Roadway Design, Landscape Architecture and CEI services from in-house staff for the design/permitting and construction management for all the above referenced projects. KEITH was the prime consultant on all these roadway projects and managed subconsultants for structural, electrical, and geotechnical engineering, as well as for public outreach. The roadway improvements included a wide range of projects from roadway assessments, milling and resurfacing, roadway widening to full roadway reconstruction to provide streetscape with landscape, hardscape, beautification features, new decorative roadway and pedestrian level lighting, streetscape furnishings, utility adjustments and overall stormwater, utility, and safety improvements.

Water and Sewer Improvement Projects: Hillsboro Blvd and Intracoastal Waterway - Directional Drill Water Main, Hillsboro Blvd Water Main Extension, The Cove Neighborhood - Water and Sewer Improvements. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering and CEI services from in-house staff for the design/permitting and construction management for all these projects water and sewer projects.

Cost: Contract amount varies – up to \$500,000 annually over 5-year contract.

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
	KEITH	Pompano Beach, FL	Geospatial, Transportation, LA, Planning, Civil, CM/PM

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <small>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)</small>	20. EXAMPLE PROJECT KEY NUMBER 5
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21. TITLE AND LOCATION <i>(City and State)</i> City of Pompano Beach Surveying, Civil Engineering and Landscape Architecture Continuing Services (Pompano Beach, FL)	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> N/A
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23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT NAME Fernand Thony	c. POINT OF CONTACT TELEPHONE NUMBER 954-786-4683

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(include scope, size and cost)*
KEITH has served as the General Engineering Consultant for the City of Pompano Beach for over 20 years. Some projects provided under these service contracts include:



Parks and Recreation Projects: North Pompano Park Improvements, Youth Sports Complex Improvements, Centennial Park Improvements, Municipal Golf Course, Dog Park, and Pier Renovations. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering, Landscape Architecture and CEI services from in-house staff for the design/permitting and construction management for all the above referenced projects. KEITH was the prime consultant on these park projects and managed subconsultants for architecture, structural, electrical, and geotechnical engineering. All parks were G.O. Bond funded projects by the City. The park projects varied in size from 4 to 20 acres and included new multi-purpose athletic fields (some natural and some artificial turf), additional parking, nature trails, connectivity with other surrounding programmed spaces such as existing ponds, walkways, bikeways, exercise trails, some parks included a new building and pavilions. KEITH assisted the City with construction management of their respective Contractor, which were selected as a Construction Management At-Risk.

Public Building and Facilities Projects: Fire Stations #11, #24, #52, #61, #103, #114, Pier Parking Garage, Ali Cultural Center, Charlotte Burrie Civic Center, Pompano Air Park Maintenance Building, Pompano Beach Branch Library Renovations, Condition Assessments for City Owned Buildings & Facilities, Municipal Facility Chiller Plant. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering, Planning, Landscape Architecture, Bid Assistance, and CEI services from in-house staff. KEITH also aided with LEED BD+C rating documentation and processing.



Roadway Improvement Projects: Harbor Drive Beautification and Infrastructure Improvements, Pompano Beach Boulevard Streetscape Improvements, MLK Boulevard Streetscape Improvements, MLK Boulevard (Educational Corridor) Roadway Improvements, Old Pompano (Downtown Connectivity/Transit Oriented Corridor) Neighborhood Improvements, S.R. A1A Streetscape Improvements and Utility Undergrounding, Pier Street Improvements, SE 8th Court and SE 9th Court Bridge Replacements. **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering, Landscape Architecture and CEI services from in-house staff for the design/permitting and construction management for the above referenced projects. KEITH was the prime consultant on these roadway projects and managed subconsultants for structural, electrical, and geotechnical engineering, as well as for public outreach.



Water and Sewer Improvement Projects: City-wide Reclaimed Water Distribution Main Extension Projects, NE 4th Street Reclaimed Water Transmission Main Extension, City-wide Force Main Replacement and Rehabilitation Project, MLK Boulevard Water Main Replacement and Upsizing Project, Old Pompano Area Water and Sewer Improvements **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering and CEI services from in-house staff for the design/permitting and construction management for these water and sewer projects.

Cost: Contract amount varies – up to \$500,000 annually over 5-year contract.

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
a. (1) FIRM NAME KEITH	(2) FIRM LOCATION <i>(City and State)</i> Pompano Beach, FL	(3) ROLE Survey, SUE, Utility Coordination, Civil, LA, and CEI

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <small>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)</small>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">6</p>
21. TITLE AND LOCATION (City and State) City of Parkland Miscellaneous Services (Parkland, Florida)		22. YEAR COMPLETED Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Parkland	b. POINT OF CONTACT NAME Alexander Barr	c. POINT OF CONTACT TELEPHONE NUMBER 954-757-4184

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size and cost)

KEITH has provided general engineering, planning, and surveying services to the City of Parkland for 16 years on an as-needed basis. Some projects provided under these contracts include:



Parks and Recreation Projects: Liberty Park, Parkland Dog Park, Tennis Center at Quigley Park, Terramar Park Improvements, Pine Trails Park Improvements **KEITH's Involvement:** KEITH provided complete Geospatial, Utility Coordination, Landscape Architecture, Civil Engineering, and CEI services from in-house staff for the design/permitting and construction management for the above referenced projects. All parks were City funded projects. The park projects varied in size from 1 to 8 acres and included a new state-of-the-art tennis center with (12) clay hydro courts, additional parking, nature trails, connectivity with other surrounding programmed spaces such as existing walkways, bikeways, exercise trails, new clubhouse/community center buildings, and pavilions.

Roadway Improvement Projects: Holmberg Road Sidewalk Improvements (LAP Funded), Holmberg Road Roadway Improvements, Pine Trails Park Neighborhood Roadway & Utility Improvements, Parkland Roundabouts, 87th Avenue Sidewalk Extension and Pedestrian Safety Upgrades, Loxahatchee Road Sidewalk Extension and Roadway Improvements, Cypress Head Neighborhood Roadway Condition Assessment, Parkside Drive Pedestrian Crosswalk Safety Upgrades **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering/Roadway Design, and CEI services from in-house staff for the design/permitting and construction management for the above referenced projects. The roadway improvements included a wide range of projects from roadway assessments, milling and resurfacing, roadway widening to full roadway reconstruction to provide overall stormwater, utility, safety, and traffic calming improvements.

Studies/Master Plans and Surveys: City-wide Stormwater Master Plan, Citywide Traffic Study, Update City of Parkland GIS and Maps, Ranches Drainage Survey and Assessment, Lox Road Lighting Photometric Study and Plan, Pine Trails Park Wetland Mitigation Area, Municipal Land Use Map Amendments, Master Plan for "The Wedge" Parcel, Pine Trails Park Wetland Mitigation Area Survey, Municipal Land Use Map Amendments Survey, Capital Improvements Elements Update, Annexation Parcel Map Survey Exhibits, Dolly land Parcel Survey Sketch, Misty Meadows Parcel Survey Sketch, North Springs Improvement District (NSID) Parcels Survey **KEITH's Involvement:** KEITH was responsible for several key comprehensive Master Plans, Studies and/or Assessments. The City presents a unique & challenging master planning process, with its large estate lots, single-family home developments, the development of the annexed "Wedge" property, future annexation of the Hendrix property (a working farm) and the limited commercial development (agriculture land).



Public Building and Facilities Projects: City Hall Building Expansion and Fire Station #42 Building Expansion **KEITH's Involvement:** KEITH provided complete Surveying, SUE, Utility Coordination, Civil Engineering, Landscape Architecture and CEI services from in-house staff. KEITH provided a 3,000-SF expansion to the City Hall building. The expansion included a 1,500-SF of records retention space and 1,500-SF of Building Department office expansion. The driveway access and roll-up door were modified to allow vehicular access to the records retention space. The records retention space includes an area for three desks for scanning capability. A new partition was designed behind the staff receiving counter for working privacy.

Cost: Contract amount varies – up to \$500,000 annually over 5-year contract.

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT		
(1) FIRM NAME a. KEITH	(2) FIRM LOCATION (City and State) Pompano Beach, FL	(3) ROLE LA, Geospatial, Transportation, CEI, Planning, Civil

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 7
21. TITLE AND LOCATION (<i>City and State</i>) Margate Community Redevelopment Agency (CRA) General Engineering Consulting Services (Margate, FL)		22. YEAR COMPLETED PROFESSIONAL SERVICES: 2018-2021 CONSTRUCTION (<i>if applicable</i>):
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Margate Community Redevelopment Agency	b. POINT OF CONTACT NAME Arlene Walcott, AICP	c. POINT OF CONTACT TELEPHONE NUMBER 954-972-6454
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>include scope, size and cost</i>)		



KEITH provides general engineering, surveying and mapping, planning, and landscape architecture services to the CRA on an as-needed basis. *Contract amount varies – up to \$500,000 annually.*

Projects provided under this contract include:

Winfield Boulevard Traffic Claiming and Streetscape Improvements - This project included traffic claiming measures and streetscape improvements for the corridor of Winfield Boulevard from SR-7 to NW 64th Terrace, approximately 3,000 LF of local roadway. Scope items include schematic drawings of existing conditions, concept drawings including three alternatives considering potential lane width modifications, landscaping, potential pavement enhancements, lighting, the introduction of roundabouts, and other improvements aimed at traffic calming, cost estimates, design, permitting, and construction documents. This also included project coordination and community workshops. *Cost: \$62,713.00*

Colonial Drive Traffic Calming, Pedestrian Routing, and Streetscape Improvements - Phase 1: Phase 1 of traffic calming, pedestrian routing, and streetscape improvements containing approximately 500 LF of Local Roadway. The scope entails schematic drawings of existing conditions, concept drawings, including two alternatives considering potential lane width modifications, road geometry adjustments, landscaping, street lighting, potential pavement enhancements, improvements aimed at enhancing pedestrian crossing experience on Colonial Drive, and traffic calming, cost estimates, coordination meeting with Northwest Regional Hospital and MCRA staff and public workshops, if necessary. *Cost: \$50,745.00*

Atlantic Boulevard Streetscape Improvements – This project included streetscape improvements to a section of Atlantic Boulevard from S.R. 7 to NW 80th Terrace. Scope items included project coordination, landscape design, irrigation design, and maintenance of traffic plans. KEITH also assisted in the permitting, observation of construction and prepared maintenance guidelines and specifications to the CRA/City. *Cost: \$93,000.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME KEITH	(2) FIRM LOCATION (<i>City and State</i>) Pompano Beach, FL	(3) ROLE Landscape Architecture, Surveying, Planning, Civil, Traffic

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 8
21. TITLE AND LOCATION <i>(City and State)</i> Florida Keys Electric Cooperative – Survey Underground Electric Feeder (Tavernier, FL)		22. YEAR COMPLETED PROFESSIONAL SERVICES 2019 - 2020 CONSTRUCTION <i>(if applicable)</i>
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Florida Keys Electric Cooperative Association, Inc.	b. POINT OF CONTACT NAME Mike Roberge	c. POINT OF CONTACT TELEPHONE NUMBER 305-852-1034
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(include scope, size and cost)</i>		



KEITH provided surveying services in support of the proposed underground feeder route from the FKEC Jewfish substation to the endpoint in Ocean Reef Club. The route is approximately 11.5 miles and generally followed the existing overhead utilities on the east side of the pavement of County Road 905. This route survey focused on the following elements: recover and identify the right-of-way lines and property lines, as appropriate, locate the edge of pavement of the roadway together with above ground features such as structures, fences, driveways, etc., horizontally locate all utilities above and below ground, locating the established tree/vegetation lines, including any known special-use property delineations (wetlands, US Forest, etc.), and existing easements encumbering the route. A Digital Terrain Model (DTM) was created and contour lines were shown at one (1) foot vertical intervals. A spot elevation was also shown adjacent to each FKEC pole. *Cost: \$208,930.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.	KEITH	Pompano Beach, FL	Survey, SUE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 9				
21. TITLE AND LOCATION (<i>City and State</i>) SR A1A Streetscape Improvements, Pompano Beach (Pompano Beach, FL)		22. YEAR COMPLETED <table border="1"> <tr> <td>PROFESSIONAL SERVICES</td> <td>CONSTRUCTION (<i>if applicable</i>)</td> </tr> <tr> <td>Ongoing</td> <td></td> </tr> </table>	PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)	Ongoing	
PROFESSIONAL SERVICES	CONSTRUCTION (<i>if applicable</i>)					
Ongoing						
23. PROJECT OWNER'S INFORMATION						
a. PROJECT OWNER City of Pompano Beach	b. POINT OF CONTACT NAME Fernand Thony	c. POINT OF CONTACT TELEPHONE NUMBER 954-786-4683				
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (<i>include scope, size and cost</i>)						



This project consists of streetscape improvements along SR A1A from Sunset Lane to the Hillsboro Inlet. The improvements include the addition of landscaped medians, sidewalk widening (where right-of-way is available), street lighting, and landscape improvements. Services consist of survey; subsurface utility engineering; civil, traffic, and transportation engineering; landscape design, and construction engineering inspection for the proposed improvements. During early project coordination, it was determined that FDOT had an overlapping resurfacing project with the City of Pompano Beach's planned project. KEITH was able to coordinate to have the FDOT funds transferred to the City of Pompano Beach to increase the construction budget for the City's project. *Cost: \$1,312,669.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME KEITH	(2) FIRM LOCATION (<i>City and State</i>) Pompano Beach, FL	(3) ROLE SUE, Transportation, Civil, CM/PM, Survey, LA

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete on Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 10
21. TITLE AND LOCATION <i>(City and State)</i> Washington Street & 72nd Avenue Mobility Improvements, FDOT D4 (Hollywood, FL)		22. YEAR COMPLETED PROFESSIONAL SERVICES 2019 - Ongoing
23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Broward MPO	b. POINT OF CONTACT NAME Fazal Qureshi	c. POINT OF CONTACT TELEPHONE NUMBER (954) 876-0071
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT <i>(include scope, size and cost)</i>		



KEITH assisted the Client in the development of this KEITH Access design project including the addition of bicycle lanes and pedestrian improvements to each corridor (FPID 431770-1). KEITH provided full services to the Client including roadway, drainage, signing and pavement marking, ADA compliance, landscape design, survey, subsurface utility engineering, utility coordination, geotechnical engineering, and public involvement. This is a Broward County Metropolitan Planning Organization (MPO) funded project while FDOT District 4 is the client and project facilitator. The KEITH Team's extensive experience coordinating multiple agencies and stakeholders were key factors in the successful completion of this community project. *Cost: \$814,731.00*

125. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME KEITH	(2) FIRM LOCATION <i>(City and State)</i> Pompano Beach, FL	(3) ROLE SUE, Transportation, Civil, Survey, LA

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL <i>(From Section E, Block 12)</i>	27. ROLE IN THIS CONTRACT <i>(From Section E, Block 13)</i>	28. EXAMPLE PROJECTS LISTED IN SECTION F <i>(Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)</i>									
		1	2	3	4	5	6	7	8	9	10
Dodie Keith-Lazowick, PSM	Principal-in-Charge	X	X	X	X	X	X	X	X	X	X
Luis Santaliz, PSM	Project Manager		X								
Sam Hall, PSM	Deputy PM / QAQC Officer	X				X				X	
Eric Wilhjelm, PSM	Surveyor - Roadway			X		X				X	X
Andrew Hunter	Land Surveyor in Training	X									
Joe Samberg, SIT	Land Surveyor in Training	X									
Zoe Holden, SIT	Land Surveyor in Training		X			X	X			X	
Donald Bittner, Jr.	Survey Technician III		X	X	X	X	X				
Da'Neil Andrew Campbell	Survey Technician III		X	X					X		
Mark Mitchell	Director of Subsurface Utility Engineering	X		X	X	X	X		X	X	X
Sean Halsey	Subsurface Utility Engineer	X		X	X	X			X		X

29. EXAMPLE PROJECTS KEY

NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>	NUMBER	TITLE OF EXAMPLE PROJECT <i>(From Section F)</i>
1	Sanford General Engineering Contract	6	Parkland Miscellaneous Services
2	SFWMD Continuing Survey Services	7	Margate CRA General Engineering Consulting Services
3	City of Fort Lauderdale Miscellaneous Surveying	8	FKEC Survey Underground Electric Feeder
4	City of Deerfield Beach AE Services	9	SR A1A Streetscape Improvements
5	Pompano Beach Survey, Civil and LA Services	10	Washington St & 72nd Ave Mobility Improvements

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

References:

City of Parkland
 Alexander Barr, PE
 City Engineer
 6600 University Drive, Parkland, FL 33067
 954.757.4184
 abarr@cityofparkland.org

City of Pompano Beach
 Fernand Thony
 G.O. Bond Director
 100 W Atlantic Boulevard, Pompano Beach, FL, 33060
 954.786.4683
 fernand.thony@copbfl.com

City of Fort Lauderdale
 Enrique Sanchez
 Deputy Director
 914 SW Sistrunk Boulevard, Suite 200, Fort Lauderdale, FL 33311
 954.828.5129
 esanchez@fortlauderdale.gov

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

09/22/2023

33. NAME AND TITLE

Dodie Keith-Lazowick, PLS, CEO

ARCHITECT-ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

20230097

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME Keith and Associates, Inc., dba KEITH			3. YEAR ESTABLISHED 1998	4. UNIQUE ENTITY IDENTIFIER VBLCPKTQD5J6
2b. STREET 6913 NW LTC Parkway			5. OWNERSHIP	
2c. CITY Port Saint Lucie	2d. STATE FL	2e. ZIP CODE 34986	a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Dodie Keith-Lazowick, PLS, CEO			b. SMALL BUSINESS STATUS N/A	
6b. TELEPHONE NUMBER 772-405-3959		6c. E-MAIL ADDRESS marketing@KEITHteam.com		7. NAME OF FIRM (If Block 2a is a Branch Office) N/A
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	27	0	A06	Airports; Terminals and Hangars	7
12	Civil Engineering, PE	20	0	B02	Bridges	3
60	Transportation Engineering, PE	6	0	C07	Coastal Engineering	3
15	Construction Inspector	4	0	C10	Commercial Building	7
16	Construction Manager	13	0	C11	Community Facilities	6
29	GIS Specialist	1	0	C15	Construction Management	7
38	Land Surveyor, PSM	8	0	C16	Construction Surveying	4
39	Landscape Architect, RLA	8	0	E02	Educational Facilities	4
47	Planner: Urban/Regional	9	0	F02	Field Houses; Gyms; Stadiums	4
48	Project Manager	4	0	G04	GIS Services; Development; Analys	2
53	Scheduler	1	0	H07	Highways, Street, Airfield Paving	5
	Landscape Designer	8	0	H09	Hospitals & Medical Facilities	3
	Project Engineer	27	0	I06	Irrigation; Drainage	6
	Project Surveyor	7	0	L03	Landscape Architecture	6
	Survey Field Crew	26	1	P05	Planning (Community, Regional...)	5
	Subsurface Utility Engineer	3	0	R03	Railroad; Rapid Transit	3
	Subsurface Utility Field Crew	11	0	R04	Recreation Facilities	6
	Utility Coordinator	6	0	S10	Surveying; Platting; Mapping; Flood	6
	VDC/BIM/CIM	3	0	S13	Storm Water Handling & Facilities	6
				T04	Topographic Surveying & Mapping	6
	Other Employees			W03	Water Supply; Treatment & Distrib.	5
Total		192	1	Z01	Zoning; Land Use Studies	3

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER			
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million	7. \$5 million to less than \$10 million	8. \$10 million to less than \$25 million
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000	8. \$10 million to less than \$25 million	9. \$25 million to less than \$50 million	10. \$50 million or greater
c. Total Work	8	3. \$250,000 to less than \$500,000	9. \$25 million to less than \$50 million		
		4. \$500,000 to less than \$1 million			
		5. \$1 million to less than \$2 million			

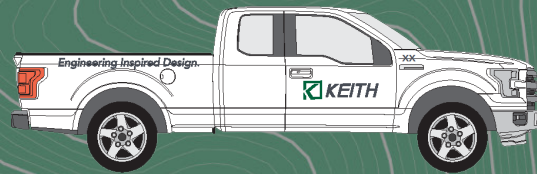
12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 09/22/2023
c. NAME AND TITLE Dodie Keith-Lazowick, PLS, CEO	

T A B 2

Methodology / Approach



METHODOLOGY AND APPROACH

KEITH’s extensive municipal experience has left our Team and Project Manager with a comprehensive understanding of the local needs of a contract such as this. After reviewing your most recent Comprehensive Plan, we feel our Team is ideally suited to deliver the critical surveying and mapping services that will support the ten elements of the Plan. Most importantly, we understand that our Team’s mission throughout this contract will mirror your own: to provide exceptional municipal services that are responsive to our community while planning for smart and balanced growth that is managed in a financially responsible way.

Based on KEITH’s decades of municipal experience throughout the Treasure Coast and South Florida, we believe successfully delivering on-call services requires a two-pronged management approach. This includes the overall contract management approach and the technical task approach to each work assignment. This section will address each of those aspects in detail.

MANAGEMENT APPROACH

- **Constant communication:** From initial receipt of the proposed work order through final deliverables, the City is informed of project progress. Issues or concerns requiring joint judgment are addressed as they arise. We pride ourselves on our small-firm feel while bringing large-firm capabilities to the table. Your team will interact with Project Manager, Luis Santaliz, PSM, as projects continue to progress. During periods of active work, Luis will provide a weekly summary of progress via email. KEITH will continually build trust through responsiveness, quality service, and on-time delivery.
- **Safety:** Florida’s built and unbuilt environments can pose significant safety challenges during field operations. Everything from vehicular traffic to heat and humidity and Florida’s “bugs and critters” can affect and inform the safety plan of a project. Our priority is to safely execute your work, protect the public, and return our employees safely to their families each workday. We will present our formal Safety Plan to the City for approval after contract selection.
- **Contract administration:** Luis is an experienced Project Manager who has provided leadership on several previous continuing contracts for surveying and mapping services. He has direct City of Port St. Lucie and St. Lucie County experience and is highly familiar with Scope Development, cost estimating, progress reporting, invoicing, and project closure processes. Luis has made the City his home since 2018 and has provided quality surveying and mapping services throughout the region.
- **Contract accounting:** All new Task Work Orders (TWOs) are assigned individual project numbers and all project expenses are charged to the individual project. Invoices are promulgated monthly and will be charged on a percent complete (lump sum) or limiting amount (LA) basis as directed by the City. This simplifies the invoicing process and allows the KEITH team to review actual costs for individual project types throughout the contract, streamlining the cost estimation and negotiation process on future similar projects. Each invoice is accompanied by a progress report that correlates task completion percentage to the invoice, while time sheet backups are provided on each LA assignment. This provides transparency and confidence that our team’s progress supports each invoice as required.
- **Scope Development:** All upcoming work requests will include a scope development meeting or call. This may be as simple as a brief Teams meeting for minor assignments, to a formal site



Luis Santaliz, PSM
Project Manager



review meeting to walk a project and identify specific needs with those requesting the work. This pre-work, pre-negotiation interaction is the cornerstone in developing a comprehensive Scope of Work and eliminating “scope creep” in the form of unidentified required tasks. This is perhaps the most crucial step in meeting the City’s needs on an assignment.

- **Negotiations:** Luis’ depth of experience with similar assignments and municipal projects leaves him well aware of the level of effort required to achieve specific survey objectives on a project. Our strong focus on technology and innovation is intended to add value to the products we provide while reducing costs. Estimates are provided in Excel with a summary of hours per task by the responsible individual/party. With a clear scope, it is our team’s objective to enter the negotiation process with all parties in close alignment on the level of project effort and associated cost.

- **Project supervision:** Our organizational chart delivers direct lines of communication from our field parties, surveyors, and technical leads to our Project Manager and through to the City’s Project Manager. All team members are briefed on the Scope of Services, schedule, approach, and budget at the project kickoff meeting. Individual project surveyors are responsible for the totality of their project, and Sam is accountable for the overall schedule, quality, and project performance of the KEITH team to the City.

- **Innovation:** We intend to bring innovative approaches to the City that enhance the value of our services. Combining collection methodologies that may involve mobile LiDAR or UAS-aerial data collection, leveraging GIS in the survey production workflow, and cloud computing that allows our office technicians to review data in real-time are examples. Selecting the right data collection platform to achieve the scope of work while limiting the “time of project” to deliver early is our objective. Our crews are equipped with smartphones, tablet PCs, and WiFi mobile hotspots that blur the line between field and office. Our field teams can “FaceTime” senior professional staff to review field situations in real-time, while field data is delivered instantaneously to the office and calculations are delivered to the field via the “cloud” using Trimble Access.
- **Consistency:** We view each continuing contract as a program as opposed to a series of projects for a single client. A program is defined as multiple projects that are delivered according to established rules, standards, and criteria that are developed to meet the needs of the entity implementing the program. Our program approach provides a consistently present and professional product that can be leveraged by the downstream user with no required modification.
- **Coordination of multiple simultaneous Work Orders:** Every continuing contract management approach must address this challenge. A detailed understanding of the City’s competing schedules is required, and each assignment will be scheduled to meet the City’s work program schedule objectives in total. Our Critical Path Method database allows us to overlay all of the responsibilities of the KEITH Survey Division in a single exhibit, allowing Luis to identify and assign available resources to projects whose delivery is most near-term. The extensive depth of the KEITH Team’s resources, and the availability of multiple highly qualified Project Surveyors / Task Managers facilitates our ability to handle multiple competing assignments.
- **Representing the City to the public:** We recognize that not all of the City’s initiatives may be met with a positive response from the public, and surveyors may typically be the first to encounter

the public on a project. We must quickly and courteously inform the community members of our intentions and refer them directly to our Project Manager and/or City staff for further information.

TECHNICAL APPROACH

Our previous experience has shown that work orders can vary dramatically in scope and scale. Your jurisdiction extends from the beaches at Jensen Beach Park, through a series of inland waterways, to parks, public roads and alleyways, and city-building facilities like police stations, firehouses, and recreational facilities. The City's underground water and sewer systems are also a significant responsibility, and SUE surveys to locate these facilities may be a critical component of the contract. Surveys at any or all of these sites, above or below ground, may be required. The KEITH Team is prepared to support your maintenance, planning, and improvement initiatives at any City location in light of any proposed scope requirement with geospatial solutions that are specifically tailored to deliver efficiency and value to the project and City stakeholders.

While the scope and complexity of assignments will vary greatly, we also understand every potential work order must address the same four critical elements: **Safety, Quality, Schedule, and Cost**. Our management and production plans will focus on these aspects to deliver on your work capital improvement commitments to your residents.

- **Safety** - We recognize that public road rights of way can be among the most dangerous work environments in the United States, while waterways and natural environments may contribute to additional on-the-job hazards. We are laser-focused on assuring the safety of the public and the safety of all our staff during field operations. Mobile survey technologies, such as mobile LiDAR and our unmanned hydrographic survey systems, pointedly enhance this objective by significantly reducing our staff's exposure to dangerous conditions. While each of our field staff maintains current FDOT Intermediate Maintenance of Traffic Training, and our senior field staff maintains a variety of OSHA training certifications, our innovative practices and industry-leading tools facilitate the best safety approach of all: complete removal of our staff from the danger.
- **Quality** - The surveying and mapping products we deliver will drive planning and engineering decisions that may directly affect the total success of a project. Three items are essential in delivering a quality product on every assignment: a consistent and dedicated team; a Quality Control (QC) Officer with significant experience in the work being delivered; and a Quality Control Plan that proactively addresses the City's requirements while specifically meeting the needs of the work order Scope of Service.
- **Schedule** - Qualified staff and/or technology resources must be assigned that will facilitate on-time delivery of each work order. These resources will be dedicated to the project and remain in place until the completion of the work. Schedules will be developed in consideration of the overall project production schedule, ensuring critical path survey deliverables are provided on time so that dependent tasks can be moved forward at the earliest possible time. On-time delivery also goes hand in hand with quality deliverables. Setting pre-submittal QC due dates that are considered the final due date is crucial in this regard.
- **Cost** - Controlling cost while limiting risk and meeting the work order scope is the final key issue. This begins with our thorough scope development effort. A scope that includes all foreseeable project requirements and addresses the intended use of the survey data by downstream parties and stakeholders eliminates unbudgeted work from the assignment. The importance of experience cannot be overstated in this regard. Luis and his team have extensive experience in delivering survey services to municipalities across the state and know what questions to ask to ensure the full scope of required services is considered at the onset of the TWO. Appropriate data collection approaches are a contributing factor that further limits cost. Our mobile LiDAR, UAS and unmanned hydrographic survey vessels greatly reduce our personnel's "time on project," the largest factor affecting cost.



While it is impossible to expound upon the approach to any potential assignment we may receive throughout the contract, it is possible to touch upon the critical scope items included in the RFP.

Meetings: We recognize the value of face-to-face interaction in the development of scopes of work, issue resolution, or review of submitted material. Our responsible office is located only 20 minutes from the City's office, and Luis will be available to the City as needed to meet with interested parties and discuss items of interest. While we respect the City staff's time, we find it far more reasonable to jointly review potential concerns or judgments and obtain buy-in from interested parties before moving forward unilaterally if controversy may ensue.

Topographic Surveys: The scale and complexity of topographic surveys can vary dramatically according to the needs of the designer and the objectives of the overall project. The typical intention is to provide sufficient surface topography, elevations, and gravity systems data such as sewer and storm water facilities, to support the planning, design, and agency permitting needs of a future construction project. The key in terms of cost efficiency is a thorough understanding of the downstream use of the topographic data. Pavement-only roadway projects with no cross slope corrections or alterations to the existing vertical profile may only require 2D topography with 500' cross sections to nail down pavement quantities, while minor widening for bike lane additions, design of ADA compliance improvements, or drainage improvements may require a full 3D survey with Digital Terrain Model collected with mobile LiDAR. Improvements at parks or City facilities may include grid elevations at appropriate intervals to establish material quantities and locate all surface features and improvements. Similarly, we understand this work type will be a significant component of the contract and may be required at any site or location, from the parking lot of City Hall to the Port St. Lucie Botanical Gardens to one of your major downtown roadway arterials. KEITH has the experience to work with the designer to properly scope the project, implement the most cost-efficient collection tool, and deliver what's needed to support the initiative.

Utility, Easement, and Property Boundary Location: Boundary surveys and establishment of existing road rights of way are key components of the design plan production, property dedication or acquisition, and agency permitting on City projects. There are several critical aspects associated with correctly retracing property boundaries, rights of way, and easement locations:

- **Research** - Thorough research is the cornerstone of a boundary retracement effort that accurately depicts ownership lines in relationship to recovered boundary monuments in the field. Before negotiation and after notification of an upcoming work order, KEITH will review all available information including City provided surveys, plats or previous construction plans/permits, property information on the Palm Beach Property Appraiser's site, FDOT right of way maps, and Palm Beach County right of way maps and surveys as available. Once all existing information is assembled, the project boundaries are calculated for field reconnaissance. If title research is required to facilitate real property transfers between the City and other government agencies or private adjoining, that data will be reviewed following fieldwork and any potential encumbrances will be plotted on the survey.

- **Calculations and Development of the Retracement Plan** - Deeds, plats, RW maps, and other documents of record that may control the project boundary are calculated in relationship to sectional data, certified corner records, and/or plat coordinates as necessary. The preliminary boundary and controlling corners are included with a Google KMZ for field crew location.
- **Dedicated Field Crew Effort** - Experience in locating evidence of boundary locations is essential in any boundary survey. Original plat monuments, RW monuments or reference points, and sectional corners may be long buried and thoroughly searching for these points, even when not initially apparent, leads to the highest likelihood that all potential controlling corner evidence is located and documented in the field. Evidence of boundary occupation, such as fence lines, sidewalks, building faces, or railroad rails, are located to correlate the monuments to their respective legal lines.
- **Drafting, Map Preparation, and Final Certified Survey** - Our Team is fully versed in field-to-finish automated feature mapping and digital delivery. If the City has specific "CAD templates" that govern the organization and presentation of surveys, these can be easily accommodated in our delivery process. We also recognize that map development is both an art and a science, and our teams take pride in presenting surveys that are consistent, highly readable, correct, and indicative of the quality we're known to deliver. The final submittal is a digitally signed and sealed PDF with accompanying CAD files depicting all subject properties, and adjoining ownership, and certified to the City following the guidelines established in Chapter 5J-17 of Florida's Administrative Code.

Parcel Sketches: Document support for easement acquisition, land transfers, temporary construction locations or staging areas, and minor traffic improvements are provided by Sketch and Description. While not a boundary survey, the sketch provides a visual representation that matches the real property description included with the document, with bearings, distances, acreages, and ties to physical monuments or established boundaries. The sketch content must match the dimensions and boundary calls of the legal description exactly, and the submittal is typically a digitally signed and sealed Adobe PDF by the requirements established in Chapter 5J-17 of Florida's Administrative Code.

Cross Sections: Road, levee, or canal cross sections provide the horizontal and vertical layout of those existing features and are crucial to the design of improvements on those systems. Cross-sections may be obtained conventionally with our reflectorless total stations, or data collection may be expedited by using our mobile or airborne LiDAR systems to densify the cross-section interval or locate high and low points by development of a full terrain model of a corridor. In all cases, cross-section data is presented in a way that best facilitates the needs of the downstream user.

Record / As-Built Surveys: KEITH has a diverse background in as-built/record surveys. We have completed as-built surveys for projects such as highways/bridges, airport runways, well sites, water and sewer systems, levees, and building interiors in preparation for expert witness testimony or project/permit closeouts. We use innovative approaches to expedite the process and remove this task from the closeout schedule at the earliest time. Mobile LiDAR represents an excellent way to as-built cross slopes and over-road clearances for signs or signals if needed, and UAS airborne LiDAR collection can be an ideal way to as-built stormwater retention facilities or parking areas. In each case, we will evaluate the as-built criteria for the project and provide a cost-effective and efficient approach to complete the requirement.

Specific Purpose Surveys: Typically, only special assignments will be categorized as Specific Purpose Surveys. Our experience on similar contracts indicates that most assignments will fall into other categories of survey (Boundary, Topographic, Control, etc.). However, specialized assignments such as documenting water control structure elevations, tree surveys supporting tree disposition plans, asset inventories, or subsurface utility surveys may fall into this category. In each case, the objective of the work will be discussed with the City to ensure the required information is captured and presented in a way that meets the needs of the project.

Property Staking and Monumentation: Physically monumenting property boundaries provides evidence on the ground to substantiate the boundary determination effort. All property or RW corners will be set with durable and permanent monuments after the retracement effort. We also understand that staking proposed improvements or new boundaries can be a critical aspect of design or public outreach during a project. When parcel staking for viewing is required, highly visible temporary markers or water-based paint are used. The staking effort is documented with digital photos and field notes to confirm the proposed boundary, easement, or alignment locations are placed in the field before the conclusion of the work effort.

Plan, Plat, and Legal Description Reviews: KEITH serves as a reviewer of record for several Florida municipalities, including the City of Lighthouse Point, the City of Pompano Beach, the City of Parkland, the City of Fort Lauderdale, and the City of Sanford. Our primary intent in document review is to ensure correctness and conformance with Florida's statutes including, F.S. 472, 117, 120, and 718 as required. KEITH has assisted each of the municipalities above with the development of checklists that expedite the review process, and provide consultants and developers with consistent submittal package requirements while ensuring all required criteria are checked and verified before the recommendation of approval.

GPS Mapping / Geodetic Control: Our QC Manager, Sam Hall, PSM, holds a Master of Science degree in GPS Satellite Surveying and Conformal Mapping, and has been a part of more than 20 projects that contributed nearly 150 new horizontal and vertical control stations to the National Geodetic Survey's (NGS) National Spatial Reference System (NSRS). Additionally, the KEITH Team has previously provided new Secondary Airport Control Surveys (SACS) at Fort Lauderdale International Airport and Pompano Park Airfield. These control stations govern the basis for all future surveys for improvements at these respective airfields. This experience leaves us ideally positioned to provide high-accuracy control surveying supporting new construction, structure monitoring, and sea-level monitoring of the City.

Laser Scanning: Dating back to our first purchase of a static scanner nearly a decade ago, KEITH has pioneered the use of this vital tool on a wide range of project types. Our investments in mobile LiDAR and UAS-based aerial LiDAR technology only further this commitment to remaining at the forefront of this emerging data collection approach. Eliminating the need to "stop, collect, code, store, repeat" when collecting topographic elevations or feature locations by implementing mobile survey technologies is arguably the most significant safety, accuracy, and cost savings development since the reliable use of GPS/GNSS survey systems was pioneered in the 1990s. We further understand that designers are now moving to 3D design processes, and our "Reality Capture" approach provides superior data for 3D design, all while cutting costs and compressing survey schedules. This expertise allows the replacement of a three/four-person crew with an advanced mobile LiDAR sensor or static laser scanning sensor and a single LiDAR technician who can work faster, more accurately, and more safely than any multi-person field team. The benefit to the City is a better survey product at a lower cost, earlier in the schedule.



SUE and Utility Surveys: One of the City's responsibilities to its residents is the successful operations of your water and sewer services. As a result, utility location can be a significant component of a contract such as this. When executed correctly and at the appropriate time in the design process, a subsurface investigation can identify and eliminate costly unforeseen utility impacts during construction. KEITH's in-house SUE Services Division is an extension of our Geospatial Division, and Sam will work hand in hand with Mark Mitchell, Director of Subsurface Utility Engineering, to scope and execute each SUE assignment. Our detailed approach to these services is as follows:

SUBSURFACE UTILITY LOCATING (CI/ASCE 38-02 QUALITY LEVEL A - TEST HOLE)

- Obtain a Sunshine 811 dig ticket covering the limits of the excavation.
- Develop a Maintenance of Traffic (MOT) plan by the FDOT Design Standards Index 600 Series and the Manual on Uniform Traffic Control Devices.
- Recover/verify horizontal and vertical survey control.
- When appropriate, stake the horizontal location of possible conflicts and proposed structures.
- Designate existing utilities using direct induction electronic methods and/or GPR and provide a passive electronic sweep for additional utilities.
- Neatly cut and remove pavement, if present, and vacuum excavate the test hole to visually confirm and record utility material composition on KEITH's Test Hole Datasheet. Excavation size not to exceed 144 square inches. Record utility depth (top and bottom) and size/diameter. For non-encased multi-conduit systems, record configuration and dimensions. Obtain a clear digital photograph of the utility and record the photo ID on the Datasheet. All depths to .1 feet and sizes to .05 feet by the Ci/ASCE 38-02 guidelines.
- Set a visual marker at the centerline of the utility and mark with the utility test hole number, material, size, and depth. These data are photographed and recorded by the survey crew and compared to the test hole reports as part of KEITH's standard SUE quality control procedure.
- Backfill and compact with original soil material and restore the excavation to its original condition or better. If necessary, warrant repairs on pavement for three years.
- Radially survey the test hole marker location from verified survey control and digitally record all utility information as staked/painted. Described benchmarks utilized in field notes.
- Obtain closeout permits after work.

SUBSURFACE UTILITY DESIGNATING (CI/ASCE 38-02 Quality Level B)

- Review available data as provided by the City and supplemental requests from UAOs.
- Develop an MOT plan by the FDOT Design Standards Index 600 Series and the Manual on Uniform Traffic Control Devices.
- Designate surface-accessible utilities using direct induction electronic methods. Record utility ownership data from available field indicators (pull box covers, manhole covers, drop shields, indicator posts, and similar infrastructure). Mark/flag utilities according to American Public Works Association (APWA) color guidelines.
- Provide a passive electronic sweep of the area to identify additional utilities and mark them accordingly. Designate existing utilities using direct induction electronic methods and/or GPR and provide a passive electronic sweep for additional utilities.
- Provide Ground Penetrating Radar (GPR) sweep to identify and mark additional non-toneable utilities. Set a visual marker at the centerline of the utility and mark with the utility test hole number, material, size, and depth. These data are photographed and recorded by the survey crew and compared to the test hole reports as part of KEITH's standard SUE quality control procedure.
- Prepare field notes and sketches and annotate marked plans with designated utility locations.
- Survey designates using cellular RTK GNSS, calibrated to verified survey control.

Utility data is typically then added to existing survey data, with a signed and sealed Surveyor's Report detailing our approach and methodology, the findings of the investigation, and any specific items that should be brought to the attention of the end user of the utility data.

Ability to Meet Required Timeframes: Many commitments must be made to assure on-time delivery - the availability of a depth of qualified staff; commitment from the project team to their tasks without interruption; scheduling software that identifies current and future resource commitments; and setting internal milestone QC review dates in advance of submittal deadlines. These commitments begin and end with our Deputy Project Manager/QAQC Officer, Sam. Sam is Vice President of the Firm and Geospatial Division Manager, and resource allocations are determined by him directly. We understand you take a risk in selecting a new consultant, and we pay specific attention to the trust you've given us by taking that risk. Sam and Dodie Keith-Lazowick, PLS, our Principal-in-Charge, is directly accountable to the City's staff. Together, they will ensure all required technical, professional, and technological resources are available to the City as needed on every assignment without exception.

Sam will enter all work orders into our internal Critical Path Method Scheduling software, detailing task duration, task completion, project milestone delivery dates, preliminary QC submittal dates, and final delivery deadlines. This database is flexible and can be adjusted "on the fly" if changes in the City's priorities or schedules require adjustments to our task delivery timelines. Work orders issued under this contract can then be overlaid on the scheduling commitments of the entire KEITH Geospatial Division. Sam can identify available resources or projects whose timelines permit a resource draw-down in favor of others with more aggressive schedules. Finally, Lee Cole, our Schedule Control Specialist, will work with Sam in tracking updates to schedules and ensure all data is correct. Updates in resource allocation and availability are tracked weekly, providing the highly informed basis needed to meet each established schedule. These processes have dramatically improved schedule compliance firm-wide, and we look forward to demonstrating the result of this commitment on this contract.

Project Research: As a long-standing provider of these services to South Florida municipalities and clients in Palm Beach County, we are deeply familiar with available data sources and systems that streamline our work. FDEP's LABINs provide horizontal and vertical benchmark information, tide station data, certified section corner documents, and historic government land maps that can be critical in boundary determination. St. Lucie County Property Appraiser's GIS provides a single map-based parcel catalog for each property in the city, and the underlying GIS shape files that drive this database can help identify title inconsistencies when property appraiser data may not match a calculated plat or parcel boundary. As a three-time holder of SFWMD's continuing surveying and mapping contracts, we have utilized their SIDERA database of project control on dozens of past projects, and have access to their online archive of digital survey data. FDOT District IV's EPIC database of project horizontal and vertical control and their Right of Way Maps Application are newly launched platforms that can be significant time-saving resources for existing data if projects are located near or adjacent to FDOT rights of way. The USGS's 3DEP Map Server also provides extensive aerial LiDAR datasets covering the City. These can provide a suitable basis for planning, and we have leveraged that tool for drainage basin analysis and large-scale road flooding analysis in the past.

Finally, the City itself will be a tremendous resource of existing data. Depending on project specifics, we may request drainage as-builts, permit plans, construction documents for past projects, previous surveys, or utility atlas data to expedite our work and build a thorough understanding of the existing information that will aid us in delivering a better product.

Web / Cloud-Based Solution Platforms: KEITH makes extensive use of cloud computing in our everyday survey operations. Our crews are equipped with Wi-Fi mobile hotspots that are continuously connected to our data collection systems. The collectors are connected to a virtual data storage environment through Trimble Access, a two-way cloud storage service. Newly collected data is written automatically to the cloud and can be accessed in real-time by our team, for instantaneous review of critical items. Similarly, our team can write new computational files, stakeout information, or alignment geometry to the cloud to be accessed by our field crews for project use. This cloud-based connectivity delivers tremendous efficiencies to our field operations while providing access to the most current datasets by all project professionals.

Similarly, our LiDAR systems generate large datasets depending on project size. TopoDOT, our LiDAR data management platform, includes a cloud-based portal that allows us to store LiDAR offsite while accessing the data seamlessly for survey CAD file development. Furthermore, this platform allows us to provide a web-based portal for our clients to review our LiDAR datasets and CAD working CAD files as they are developed and posted to the cloud. These tools provide us the flexibility to review progress or concerns jointly in a cloud-based environment at any time.

Quality Control Process: As stated earlier, we recognize the risk you take with awarding a continuing service contract to a new consultant. Simply put, our future success relies on the quality of the work we perform on current projects. Our entire team is committed to delivering a thoroughly reviewed, correct product that meets all technical requirements and fulfills the work order Scope of Service. With 23 years of experience, **Sam Hall, PSM**, will serve as Chief QA/QC Officer for this contract. His experience includes all levels of the surveying and mapping program, production, and QC management. Sam or his assigned QC surveyor for any work order will not be directly involved with production on the TWO they will QC. This provides them the independence and flexibility required to implement our proven QA/QC Plan and pair QC reviewers with specific technical experience with QC responsibilities. Our QA/QC Plan includes a color-coded system and QC tracking stamp that documents the individuals involved in both productions and provides dates of completion of checking and backchecking. Concurrence with redline markups, verification of change incorporation, and final approval are included in our process. KEITH will submit our formal Quality Management Plan at the execution of the contract for approval.

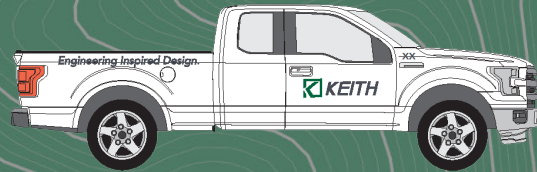
Additional aspects of our QA/QC Plan are related to the innovative survey technologies we anticipate implementing on this contract. We level through drainage structures and compare the leveled elevations to LiDAR-derived elevations following extraction. Checkpoints are collected randomly throughout a project to verify UAS photography or LiDAR-collected site elevations. Finally, we extract “bare Earth” lowest points of reflectivity throughout obscure areas that were conventionally collected, providing a direct comparison of mobile or static LiDAR data to data collected by other means. These KEITH QC innovations provide the highest probability that survey data will be correct before delivery.

Commitment: KEITH has provided the technical services above to Florida municipalities for over 60 years. Our longevity is rooted in the pride we have in helping our partners execute the initiatives that improve the experiences of their residents and visitors. We understand that our success is dependent on yours and we are committed to meeting your expectations on every assignment. We are thrilled to have the opportunity to build upon that legacy of mutual success as one of the City of Port St. Lucie’s Continuing Contract holders for Surveying and Mapping Services. We look forward to working with the City of Port St. Lucie on this exciting contract.



T A B 3

Certified Minority Business Enterprise





DODIE KEITH-LAZOWICK, PLS - CEO

To this day, KEITH remains a majority woman-owned business. We understand the importance of working with and supporting Small Business Enterprises (SBE) and Minority/Women Business Enterprises (M/WBE). Supplier diversity makes for good business practices by providing opportunities for an inclusive procurement environment, recognizing the immense value in small, minority, and women business enterprises.

At KEITH, we are grateful for the opportunities that have been provided to our firm by being certified in many programs over the years. Because of these programs, KEITH has been able to grow in both size and revenue, allowing us the pleasure of graduating out of the programs and providing the same opportunity to other SBE and M/WBE firms. KEITH is proud to currently hold M/WBE Certifications with the following:

- City of Orlando
- City of Tampa
- City of West Palm Beach
- Osceola County
- Greater Orlando Aviation Authority (GOAA)
- Central Florida Expressway Authority (CFX)

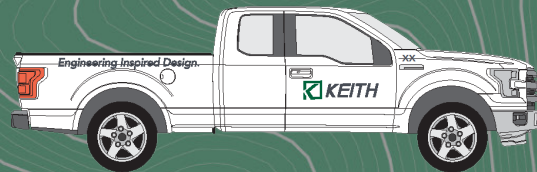
KEITH previously held SBE and M/WBE certifications with the following:

- State of Florida
- Broward County
- Miami-Dade County Public Schools
- Palm Beach County Public Schools
- Broward College
- Broward County Public Schools
- Broward Health
- FDOT
- Miami-Dade County
- Palm Beach County

Owner and Chief Executive Officer, Dodie Keith-Lazowick, sits on a variety of committees dedicated to upholding the importance of such efforts. These committees include Broward County Economic and Small Business Development Advisory Board and the School Board of Broward County Minority and Diversity Participation Advisory Committee. Dodie is also committed to continue supporting and mentoring fellow local SBE and M/WBE engineering firms. KEITH has also begun the process of becoming certified with the Women's Business Enterprise National Council (WBENC) and the National Association of Women Business Owners. We look forward to celebrating our national certifications once the process is complete.

T A B 4

Additional Required Proposal Submittal Forms



CONSULTANT'S GENERAL INFORMATION WORK SHEET

E-RFP #20230097

It is understood and agreed that the following information is to be used by the City to determine the qualifications of prospective Consultant to perform the work required. The Consultant waives any claim against the City that might arise with respect to any decision concerning the qualifications of the Consultant.

The undersigned attests to the truth and accuracy of all statements made on this questionnaire. Also, the undersigned hereby authorizes any public official, Engineer, Surety, bank, material or equipment manufacturer, or distributor, or any person, firm or corporation to furnish the City any pertinent information requested by the City deemed necessary to verify the information on this questionnaire.

Dated at 6913 NW LTC Parkway, Port St. Lucie, FL 34986, this 22 day of September 2023
 (Location)

Name of Organization/Consultant: Keith and Associates, Inc., dba KEITH

By: Dodie Keith-Lazowick | CEO
 Name and Title

1. Corporation, Partnership, Joint Venture, Individual or other? Corporation

2. Firm's name and main office address, telephone, and fax numbers

Name: Keith and Associates, Inc., dba KEITH

Address: 301 E Atlantic Boulevard, Pompano Beach, FL 33060

Telephone Number: 954.788.3400

Fax Number: N/A

3. Contact person: Dodie Keith-Lazowick, PLS Email: DKeith@keithteam.com

4. Firm's previous names (if any). _____

5. **ADDENDUM ACKNOWLEDGMENT** - Bidder acknowledges that the following addenda have been received and are included in its proposal/bid:

Addendum Number	Date Issued	Addendum Number	Date Issued
1	9/14		

6. List any lawsuits pending or completed within the past five (5) years involving the corporation, partnership or individuals with more than ten percent (10 %) interest:
 In 2020, KEITH was named as a third-party defendant in a case (No. CACE-18-026597) between a client of ours and a local resident. KEITH was found to be at no fault with no errors or omissions. The case was settled. KEITH has not been involved in any other litigation over the past 5 years.

(N/A is not an acceptable answer - insert lines if needed)

7. List any judgments from lawsuits in the last five (5) years:
KEITH was found to be at no fault with no errors or omissions.

(N/A is not an acceptable answer - insert lines if needed)

8. List any criminal violations and/or convictions of the Proposer and/or any of its principals:
There have been no criminal violations and/or convictions of the Proposer or any of its principals.

(N/A is not an acceptable answer - insert lines if needed)



Signature

CEO
Title

NOTICE TO ALL PROPOSERS

*To ensure fair consideration is given for all Proposers, it must be clearly understood that upon release of the proposal and during the proposal process, firms and their employees of related companies as well as paid or unpaid personnel acting on their behalf shall not contact or participate in any type of contact with City employees, department heads or elected officials, up to and including the Mayor and City Council. The **“Cone of Silence”** is in effect for this solicitation from the date the solicitation is advertised on DemandStar, until the time an award decision has been approved by City Council and fully executed by all parties. Information about the Cone of Silence can be found under the [City of Port St. Lucie Ordinance 20-15, Section 35.13](#). Contact with anyone other than the Issuing Officer may result in the vendor being disqualified. All contact must be coordinated through Ms. Robyn Holder, Issuing Officer, for the procurement of these services.*

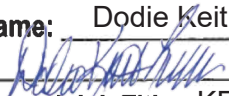
All questions regarding this Solicitation are to be submitted in writing to Robyn Holder, Procurement Manager with the Procurement Management Department via e-mail rholder@cityofpsl.com, or by phone 772-344-4293. Please reference the Solicitation number on all correspondence to the City.

All questions, comments and requests for clarification must reference the Solicitation number on all correspondence to the City. Any oral communications shall be considered unofficial and non-binding.

Only written responses to written communication shall be considered official and binding upon the City. The City reserves the right, at its sole discretion, to determine appropriate and adequate responses to the written comments, questions, and requests for clarification.

**NOTE: All addendums and/or any other correspondence before bid close date (general information, question and responses) to this solicitation will be made available exclusively through the [DemandStar's Website](#) for retrieval. All notice of intent to award documentation will be published on the [City Clerk's Website](#). Proposers are solely responsible for frequently checking these websites for updates to this solicitation.*

I understand and shall fully comply with all requirements of City of Port. St. Lucie Ordinance 20-15, Section 35.13.

Typed Name: Dodie Keith-Lazowick, PLS
Signed: 
Company and Job Title: KEITH | CEO
Date: 9/22/2023



"A City for All Ages"

CONSULTANT'S CODE OF ETHICS

The City of Port St Lucie ("City), through its Procurement Management Department ("Procurement Management Department") is committed to a procurement process that fosters fair and open competition, is conducted under the highest ethical standards and enjoys the complete confidence of the public. To achieve these purposes, Procurement Management Department requires each vendor who seeks to do business with the City to subscribe to this Consultant's Code of Ethics.

- ◆ A Consultant's bid or proposal will be competitive, consistent and appropriate to the bid documents.
- ◆ A Consultant will not discuss or consult with other Vendors intending to bid on the same contract or similar City contract for the purpose of limiting competition. A Vendor will not make any attempt to induce any individual or entity to submit or not submit a bid or proposal.
- ◆ Consultant will not disclose the terms of its bids or proposal, directly or indirectly, to any other competing Vendor prior to the bid or proposal closing date.
- ◆ Consultant will completely perform any contract awarded to it at the contracted price pursuant to the terms set forth in the contract.
- ◆ Consultant will submit timely, accurate and appropriate invoices for goods and/or services actually performed under the contract.
- ◆ Consultant will not offer or give any gift, item or service of value, directly or indirectly, to a City employee, City official, employee family member or other vendor contracted by the City.
- ◆ Consultant will not cause, influence or attempt to cause or influence, any City employee or City Official, which might tend to impair his/her objectivity or independence of judgment; or to use, or attempt to use, his/her official position to secure any unwarranted privileges or advantages for that Vendor or for any other person.
- ◆ Consultant will disclose to the City any direct or indirect personal interests a City employee or City official holds as it relates to a Vendor contracted by the City.
- ◆ Consultant must comply with all applicable laws, codes or regulations of the countries, states and localities in which they operate. This includes, but is not limited to, laws and regulations relating to environmental, occupational health and safety, and labor practices. In addition, Consultant

must require their suppliers (including temporary labor agencies) to do the same. Consultant must conform their practices to any published standards for their industry. Compliance with laws, regulations and practices include, but are not limited to the following:

- Obtaining and maintaining all required environmental permits. Further, Consultant will endeavor to minimize natural resource consumption through conservation, recycling and substitution methods.
- Providing workers with a safe working environment, which includes identifying and evaluating workplace risks and establishing processes for which employee can report health and safety incidents, as well as providing adequate safety training.
- Providing workers with an environment free of discrimination, harassment and abuse, which includes establishing a written antidiscrimination and anti-bullying/harassment policy, as well as clearly noticed policies pertaining to forced labor, child labor, wage and hours, and freedom of association.

Name of Organization/Proposer KEITH

Signature 

Printed Name and Title Dodie Keith-Lazowick, PLS | CEO

Date 9/22/2023

DISCLAIMER: This Code of Ethics is intended as a reference and procedural guide to Consultants. The information it contains should not be interpreted to supersede any law or regulation, nor does it supersede the applicable Consultant contract. In the case of any discrepancies between it and the law, regulation(s) and/or Consultant contract, the law, regulatory provision(s) and/or vendor contract shall prevail.

E-Verify Form

Contractor acknowledges and agrees to the following:

- 1. Shall utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the Supplier/Consultant during the term of the contract; and
- 2. Shall expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security’s E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

E-Verify Company Identification Number 418972

Date of Authorization May 21, 2011

Name of Contractor Keith and Associates, Inc., dba KEITH

Name of Project Continuing Contracts for Surveying & Mapping

Solicitation Number (If Applicable) 20230097

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on September, 22, 2023 in Port St. Lucie (city), FL (state).

Signature of Authorized Officer

Dodie Keith-Lazowick, PLS | CEO

Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME

ON THIS THE 22 DAY OF September, 2023.

NOTARY PUBLIC Kristen Lawlor

My Commission Expires: 09/25/2026



NON-COLLUSION AFFIDAVIT

State of Florida

County of St. Lucie }

Dodie Keith-Lazowick, PLS, being first duly sworn, disposes and says that:

(Name/s)

1. They are CEO of KEITH the Proposer that
(Title) (Name of Company)

has submitted the attached PROPOSAL;

2. He is fully informed respecting the preparation and contents of the attached proposal and of all pertinent circumstances respecting such PROPOSAL;

3. Such Proposal is genuine and is not a collusive or sham Proposal;

4. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contract for which the attached proposal has been submitted or to refrain from proposing in connection with such Contract or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices in the attached Proposal or of any other Proposer, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Port St. Lucie or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) 

(Title) CEO

STATE OF FLORIDA }
COUNTY OF ST. LUCIE} SS:

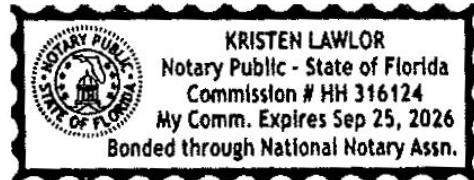
The foregoing instrument was acknowledged before me this (Date) September, 22, 2023

by: Dodie Keith-Lazowick, PLS who is personally known to me or who has produced
_____ as identification and who did (did not) take an oath.

Commission No. HH316124

Notary Print: Kristen Lawlor

Notary Signature: *Kristen Lawlor*

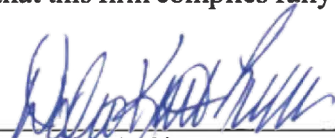


DRUG-FREE WORKPLACE FORM

The undersigned Contractor in accordance with Florida Statute 287.087 hereby certifies that
KEITH does:
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 Florida Statutes or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.


Bidder's Signature

9/22/2023
Date:

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES' LISTS

Vendor Name: Keith and Associates, Inc., dba KEITH
 Vendor FEIN: 65-0806421
 Authorized Representative's Name: Dodie Keith-Lazowick, PLS
 Authorized Representative's Title: CEO
 Address: 301 E Atlantic Boulevard
 City, State and Zip Code: Pompano Beach, FL
 Phone Number: 954.788.3400
 Email Address: DKeith@keithteam.com

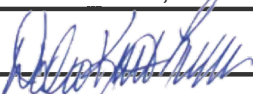
Sections 287.135 and 215.473, Florida Statutes, prohibit Florida municipalities from contracting with companies, for goods or services over \$1,000,000 that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or to engage in any Business operations with Cuba or Syria. Sections 287.135 and 215.4725 also prohibit Florida municipalities from contracting with companies, for goods or services in any amount that are on the list of Scrutinized Companies that Boycott Israel.

The list of "Scrutinized Companies" is created pursuant to Section 215.473, Florida Statutes. A copy of the current list of "Scrutinized Companies" can be found at the following link:
<https://www.sbafla.com/fsb/FundsWeManage/FRSPensionPlan/GlobalGovernanceMandates/QuarterlyReports.aspx>

As the person authorized to sign on behalf of the Respondent Vendor, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List; or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; is not participating in a boycott of Israel; and does not have any business operations with Cuba or Syria. I understand that pursuant to Sections 287.135 and 215.473, Florida Statutes, the submission of a false certification may subject the Respondent Vendor to civil penalties, attorney's fees, and/or costs.

I understand and agree that the City may immediately terminate any contract resulting from this solicitation upon written notice if the company referenced above are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) for any contract for goods or services in any amount of monies, it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars (\$1,000,000) or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Authorized Signature

Dodie Keith-Lazowick, PLS
 Print Name

 Signature

TRUTH-IN-NEGOTIATION CERTIFICATE AND AFFIDAVIT

STATE OF FLORIDA §
COUNTY OF ST. LUCIE §

Before me, the undersigned authority, personally appeared affiant Alex Lazowick, PE, PMP, ENV SP who being first duly sworn, deposes and says:

1. That the undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a) of the Florida Statutes for the undersigned firm to receive an agreement for professional services with the City of Port St. Lucie, St. Lucie County, Florida.

2. That the undersigned firm is a corporation which engages in furnishing professional engineering services and is entering into an agreement with the City of Port St. Lucie, St. Lucie County, Florida to provide professional services for a project known as Continuing Contracts for Surveying, Contract # 20230097 & Mapping

3. That the undersigned firm has furnished the City of Port St. Lucie, St. Lucie County, Florida a detailed analysis of the cost of the professional services required for the project.

4. That the wage rate information and other factual unit cost, which the undersigned firm furnished, were accurate, complete and current at the time the undersigned firm and the City of Port St. Lucie entered into the agreement for professional services on the project.

5. That the agreement which the undersigned firm and the City of Port St. Lucie entered into on this job contained a provision that the original agreement price and any additions thereto shall be adjusted to include any significant sums by which the City of Port St. Lucie determines the agreement price was increased due to inaccurate, incomplete or non-current wage rates or other factual unit cost and that all such agreement adjustments shall be made within one (1) year following the end of the agreement.

FURTHER AFFIANT SAYETH NAUGHT

Keith and Associates, Inc., dba KEITH

Name of Firm

Alex Lazowick

By: President

The foregoing instrument was acknowledged before me by Alex Lazowick, PE, PMP, ENV SP who has produced _____ as identification or is personally known to me.

WITNESS my hand and official seal in the State of County last aforesaid this 22nd day of September, 20 23.

(SEAL)

Kristen Lawlor

Signature

Kristen Lawlor

Notary Name (typed or printed)

Sr. Director of Marketing

Title or Rank



INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
02/17/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Brown & Brown of Florida, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: 053.certs@bbrown.com		FAX (A/C, No): (954) 776-4446
	INSURER(S) AFFORDING COVERAGE		
INSURED KEITH & Associates, Inc., DBA: Keith 301 East Atlantic Blvd Pompano FL 33060	INSURER A: Transportation Insurance Company		NAIC # 20494
	INSURER B: Continental Casualty Company		20443
	INSURER C: The Continental Insurance Company		35289
	INSURER D: National Fire Insurance Company of Hartford		20478
	INSURER E: Arch Insurance Company		11150
	INSURER F:		NAIC #

COVERAGES CERTIFICATE NUMBER: CL2321632855 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			7036722272	02/19/2023	02/19/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			7036722417	02/19/2023	02/19/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			7036722286	02/19/2023	02/19/2024	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	7036723311	02/19/2023	02/19/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liability			CPP006493603	02/19/2023	02/19/2024	Per Claim 2,000,000 Aggregate 6,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Proof of Coverage	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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ACORD 25 (2016/03)

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ARTICLE OF INCORPORATION

State of Florida

Department of State

I certify from the records of this office that KEITH AND ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 20, 1998, effective January 16, 1998.


The document number of this corporation is P98000006011.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on January 26, 2023, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twentieth day of February,
2023*





Secretary of State

Tracking Number: 9074154914CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Licenses




**Florida Department of Agriculture and Consumer Services
Board of Professional Surveyors and Mappers**

LS4105

**Professional Surveyor and Mapper
ADOLPHINE M KEITH-LAZOWICK**

IS LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2025

Dodie Keith-Lazowick, PLS




**Florida Department of Agriculture and Consumer Services
Board of Professional Surveyors and Mappers**

LS7501

**Professional Surveyor and Mapper
LUIS M SANTALIZ**

IS LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2025

Luis Santaliz, PSM



**Florida Department of Agriculture and Consumer Services
Board of Professional Surveyors and Mappers**

LS5872

**Professional Surveyor and Mapper
ERIC EDMUND WILHEJLM**

IS LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2025

Eric Wilhejelm, PSM

SAMUEL THOMAS HALL					1
34802 VALLEY HILL LN, EUSTIS, FL 32736-5206					
License Type	License#	Issued	Expires	Status	
Surveyor and Mapper	LS6644	02/15/08	02/28/25	Active	
					1

Sam Hall, PSM

KEITH AND ASSOCIATES INC					1
301 EAST ATLANTIC BLVD, POMPANO BEACH, FL 33060-6643					
Phone 954-788-3400					
					Complaints 0
					Print
License Type	License#	Issued	Expires	Status	
Surveyor Business	LB6860	03/27/98	02/28/25	Active	
Surveyor of Record	LS4105	06/28/84	02/28/23	Active	
					1

KEITH Surveying Business Licenses

Checking the Boxes

KEITH has covered every requirement of the evaluation criteria.

NO	EVALUATION CRITERIA	COVERED	PAGE
1	Firm's Qualifications (Form 330)	✓	16-41
2	Personnel & Experience and Knowledge (Form 330)	✓	16-41
3	Methodology / Approach	✓	42-51
4	Certified Minority Business Enterprise	✓	53



ADDITIONAL CONTACT:

CAROLINE GLASS
Marketing Coordinator
701 Northpoint Parkway, Suite 218,
West Palm Beach, FL
954.788.3400
cglass@KEITHteam.com

Dodie Keith-Lazowick, PLS

**6913 NW LTC Parkway
Port Saint Lucie, FL 34986**

**772.405.3959
DKeith@KEITHteam.com**

KEITHteam.com